



A CATALOGUE  
OF  
MANUSCRIPT AND PRINTED  
REPORTS, FIELD BOOKS, MEMOIRS,  
MAPS, ETC.,  
OF  
THE INDIAN SURVEYS,  
DEPOSITED. IN  
THE MAP ROOM  
OF THE  
INDIA OFFICE.

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PRINTED BY ORDER OF  
HER MAJESTY'S SECRETARY OF STATE FOR INDIA IN COUNCIL.

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LONDON:  
SOLD BY W. H. ALLEN & CO., 13, WATERLOO PLACE;  
EDWARD STANFORD, 55, CHARING CROSS;  
HENRY S. KING & CO., 65, CORNHILL;  
TRÜBNER & CO., 57 AND 59, LUDGATE HILL.

1878.





A Catalogue of Maps of the British Possessions in India and other parts of Asia, published by order of Her Majesty's Secretary of State for India in Council, was issued in 1870; a continuation of it, including maps subsequently published by the same authority, appeared in 1872; and an alphabetical list of all the published maps on sale in 1874 was printed at that date.

The present Catalogue includes\* the whole of the permanent collection deposited in the map room of the India Office. The East India Company required the original manuscripts and drawings of the Indian Surveys to be sent home for their information, and for safe custody. Hence many of the earlier documents which gradually made known the topography of India find a place in this volume, together with various records relating thereto.

In the Catalogue of 1870, the spelling of the names of places in the headings of the Catalogue, was in accordance with Thornton's Gazetteer of India, for the purpose of facilitating reference to that work, as the only one of the kind in print. The spelling of names in the titles of the maps, &c. was copied from the actual titles for the sake of identification. This explanation accounted for the variations of spelling, which could not fail to be noticed.

Since 1870, measures have been taken by the Government of India for the establishment of an authorised spelling of the names of places in India, the last result of which is contained in notifications fixing the orthography to a limited extent in the Lower Provinces of Bengal, the North-west Provinces, Oudh, the Punjab, the Central Provinces, the Hyderabad Assigned Districts, Mysore, Coorg, Assam, and the Bombay Presidency. Similar lists are expected for the Rajputana Agency,† the Central India Agency, Hyderabad, British Burma, the Munipur Agency, the Andaman and Nicobar Islands, the Madras Presidency, and the French and Portuguese territories. Upon the final approval and publication of the whole series an amalgamated alphabetical index is to follow.

In the meantime the spelling of the headings and contents of this Catalogue has been made concordant with the lists already fixed by

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\* Besides the published and saleable maps which are also included in a separate printed Catalogue.

† Since received, and applied to the following Contents and Index. But the spelling in the headings of the Catalogue itself, follows previous orders.

local governments and approved by the Government of India, as far as they go ; but with regard to the governments for which the local lists are not yet issued, the names are given according to Dr. Hunter's lists, the use of which had formerly been ordered, and the order seems only to be rescinded so far as the new lists are applicable. The expected lists will probably restore many of the old anglicised names, their more ample retention having been suggested by the Secretary of State.

The arrangement of this Catalogue is based on the current Administrative Divisions of all India, of which there is a list in the contents. Maps and memoirs of the antiquated and obsolete divisions are placed with those which have superseded them, each group being arranged chronologically. Thus, whatever light is contained in the collection is brought to bear upon the administrative divisions of India at the date of publication, as far as possible. Sometimes, however, the form and connexion of the materials does not admit of such a distribution, as in the case of atlases, general maps, and special collections or serials. An alphabetical index, with the contents, facilitates reference.

INDIA OFFICE,

February, 1878.

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## MAPS OF THE CIVIL DIVISIONS OF INDIA, UNDER THE THREE PRESIDENCIES OF BENGAL, MADRAS, AND BOMBAY.

Arranged as far as they exist according to the following list, which names all the British Governments with their Divisions and Districts;—the Political Agencies with their Sub-agencies and Native Principalities;—and the Foreign Territories;—including the whole of India. It will thus be seen how far every part of India is mapped, while an ordinary contents would fail to supply the same means of under-  
standing

standing the collection, or the great subject upon which it throws so much light. The list only descends to Divisions and Districts, but the Maps often represent Sub-districts or Pergunnahs, Talooks, etc., and also the cities, towns, and villages.

*Note.*—When the chief town is not of the same name as the district it is added in parentheses ( ). This must not be mistaken for an alternative name for the district. When there is no number referring to the page of the Catalogue, it is because there are no special maps of the locality, which may nevertheless be well represented in some of the general maps.

## I.

## BENGAL PRESIDENCY.

Under the Governor-General of India in Council (also Governor of the Presidency of Fort William in Bengal) including the following subordinate Governments :—

1. *Bengal*, under a Lieutenant-Governor.
2. *The North West Provinces*, under a Lieutenant-Governor.
3. *Oudh*, under a Chief Commissioner, who is now also the Lieutenant-Governor of the North West Provinces.
4. *The Punjab*, under a Lieutenant-Governor.
5. *Rajputana and Ajmir*, the former under Native Princes and a Political Agent, who is also Chief Commissioner for Ajmir.
6. *Central India*, under Native Princes and a Political Agent.
7. *The Central Provinces*, under a Chief Commissioner.
8. *Hyderabad*, under His Highness the Nizam, attended by the British Resident at Hyderabad; also the assigned districts of *Berar*, under the same Resident as Chief Commissioner.
9. *Mysore and Coorg*, the first under the Rajah, and both under one Chief Commissioner.
10. *Assam*, under a Chief Commissioner.
11. *Munipur*, under the Rajah and a Political Agent.
12. *British Burma*, under a Chief Commissioner.
13. *Andaman and Nicobar Islands*, under a Superintendent.

\* \* \* See note.

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\* \* \* To these must be added the following Governor-General's Agencies *beyond* India :—

14. Baluchistan under H. H. the Khan of Kelat, with a Political Agent.
15. The Persian Gulf and Muscat, under various Native Governments, with two Political Agents.
16. Bagdad (Turkish Empire), Political Agent.
17. Aden (Southern Arabia).
18. Zanzibar (East Africa), Political Agent.

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Lahara - - -	—
Morbhanj and Bamanghata‡ - - -	—

\* Transferred to Dacca Division.

† The Khand Mals, in the south of Bod, were separated from that Estate in 1840, and taken under British Government.

‡ Bamanghata has been separated from Morbhanj, and is now under the Deputy Commissioner, of Singhbhoom district, in Chota Nagpore division although it is still included in Orissa division. See Bengal Census, 1872.

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† Bhagalpur and Patna divisions formed the old Soubah of Behar.

‡ The municipality of the city of Calcutta is in fact independent of the Commissioner of the Presidency Division, who only includes certain statistics of Calcutta with his own, without exercising any authority in the Metropolitan City. Calcutta, within strictly municipal limits, is thus almost a division of itself, while that part of it which is extra-municipal belongs to the 24 Pergunnahs District. Should not the whole of the metropolis be under one management, as Bombay and Madras are?

Rajshahi and Cooch Behar Division—*cont.*

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(See footnote.‡)

\* \* A proposal to establish New Districts in Bengal is under consideration. See Bengal Adm. Report, 1875-6, page 28.

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\* The subsidized state of Sikkim is connected with Darjeeling.

† Maldah District was transferred to the Bhagalpur Division with effect from 1st Nov. 1876; but, it is added, the civil jurisdiction of Maldah remains as before under the district of Dinagepore. Civil jurisdiction, is understood here to mean judicial administration. See Bengal Adm. Report, 1875-76, page 28.

‡ Kharsawan, Srikala, and Dhalbhum, although still under tributary chiefs, are now treated as parts of the British district of Singhbhoom.

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\* The chief town is the seat of the Chief Commissioner.

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**2. Lucknow Division.**

In three Districts:—

1. Bara Banki - -	—
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**Native Principalities**

Under the Punjab Government, arranged in Geographical groups, as a key to their situation.

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\* The chief town is the seat of the Lieutenant-Governor.

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*West Central Group :—*

Baghat, in detached parts -	—
Bija -	—
Dhami -	—
Kunhiar (Haut?) -	—
Kuthar -	—
Mailog (Pata) -	—

*East Central Group :—*

Balsan (Ghodna) -	—
Darkuti -	—
Gund* -	—
Keonthal, in two parts (Junglung) -	—
Koti, in two parts -	—
Madhan -	—
Pandur* -	—
Raiengarh* -	—
Tarooh, in two parts -	—
Theog? -	—

\* Tributary to Keonthal.

*Northern Group :—*

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*Sirhind Plain.*

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Korabur -	—
Kotra -	—
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Dewas§ - - -	—
Indore§ - - -	266

\* See also, Jhallawar pergunnahs in Central India, No. 6, West Malwa Agency, and No. 9, Guna Agency. The map of the City of Jhalra-Patan, the Capital of Jhallawar, has been erroneously placed under the Western Malwa Agency (page 270), which only contains four outlying pergunnahs of Jhallawar. It should follow after Kotah, in page 262.

† The other Tonk districts in Rajputana are Pirawa, in West Malwa Agency, Sironj, in Bhopal Agency, Nimbahera, in Meywar Agency. The Harowtee Agent also reports on these Tonk districts. See also the Rajputana Agencies, Nos. 3, 6, 9, for Tonk Districts.

‡ Chapra or Chuppra is also included in the Guna Agent's Report (Central India). Is this the Chabra of the last Rajputana spelling list, dated Dec. 27, 1877?

§ Other parts of Maharajah Holkar's Indore territory are in the Assistant Agencies numbered 3, 6, 7, 8. Other parts of Dewas are in 3, 6, 8.

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Daria Khairi - - -	—
Dugria - - -	—
Hirapur - - -	—
Jabriah Bhil - - -	—
Jullaria - - -	—
Kankerkheria - - -	—
Kharsia - - -	—
Kujori - - -	—
Kumalpur - - -	—
Piplia-Nagar - - -	—
Ramgarh - - -	—
Sutalia - - -	—
Tuppa - - -	—

## Gwalior districts:—

Bhilsa - - -	—
Cachora - - -	—
Gunj Basoda - - -	—
Mullargarh - - -	—
Sandursi, share of - - -	—
Shujawalpur - - -	—
Sonkach - - -	—

## Indore districts:—

Gagrioni - - -	—
Kantapur - - -	—
Machilpur - - -	—
Nimar - - -	—
Sandursi, share of - - -	—
Zirapur - - -	—

Karwai - - -	—
Kilchipur - - -	—
Larawut - - -	—
Mahmudgarh - - -	—
Maksudangar - - -	—

\* Other parts of Maharajah Sindhia's Gwalior territory are in the Assistant Agencies numbered 1, 3, 6, 7, 9. See also Rajputana Agencies, No. 1.

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Pathari	-	-	—	Gwalior districts :—				
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Puna	-	-	—	Dewas district :—				
Sampter	-	-	—	Alot	-	-	-	—
Umra	-	-	—	Jhallawar pergunnahs, or Chowmehla :—				
Jaghires :—				Awur	-	-	-	—
Alipura	-	-	—	Dug	-	-	-	—
Baoni	-	-	—	Gangrar	-	-	-	—
Behri	-	-	—	Pach Pahar	-	-	-	—
Behut	-	-	—	See also No. 5, Harowtee Agency in Rajputana, and No. 9, Guna Agency in Central India.				
Bironda	-	-	—	Tonk district :—				
Girouli	-	-	—	Pirawa	-	-	-	—
Gourihar	-	-	—	Piplowda	-	-	-	—
Jigni	-	-	—	Guaranteed thakoors :—				
Jussu	-	-	—	Agrardah	-	-	-	—
Kunyadhana	-	-	—	Bichrode in two parts ?	-	-	-	—
Logasi	-	-	—	Bileda	-	-	-	—
Naugong	-	-	—	Burdia	-	-	-	—
Nygoa Kebai	-	-	—	Dabri	-	-	-	—
Paturkuchar	-	-	—	Dhulatia	-	-	-	—
Sarila	-	-	—	Duttanah	-	-	-	—
Chowbey Jaghires :—				Jowasseah	-	-	-	—
Bhysonda	-	-	—	Kalukheri	-	-	-	—
Kampta Rajola	-	-	—	Lallgarh	-	-	-	—
Nayagaon	-	-	—	Narwar	-	-	-	—
Paldeo	-	-	—	Naugong	-	-	-	—
Pahra	-	-	—	Nowlanah	-	-	-	—
Tiraon	-	-	—	Piplia	-	-	-	—
Husht Bhya Jaghires :—				Punth Piploda	-	-	-	—
Bijna	-	-	—	Sheogarh	-	-	-	—
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Sidpura	-	-	—					
Sohawal	-	-	—					

\* Tributary to Indore.

6. Central India—Bhopawar Agency  
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	Page
Jobat - - - - -	—
Kutiwara - - - - -	—
Matwar - - - - -	—
Ratanmal - - - - -	—

## Gwalior districts :—

Amjhera - - - - -	—
Bagh - - - - -	—
Bankanir - - - - -	—
Dektaun - - - - -	—
Munawur - - - - -	—
Sagor - - - - -	—

## Indore districts :—

Chikalda - - - - -	—
Pitlad - - - - -	—

## Guaranteed Bhumias :—

Baisola or Dhotra* - - - - -	—
Bakhtgarh* - - - - -	—
Chota Barkhera or Sarepore* - - - - -	—
Kachi Baroda - - - - -	—
Kali Baori* - - - - -	—
Mota Barkhera*† - - - - -	—
Multhan* - - - - -	—
Nimkhera or Tirla* - - - - -	—

\* Tributary to Dhar.

† Tributary to Gwalior.

## 8. Maunpur Agency.

Deputy Bhil Agent.

Maunpur, British district - - - - -	—
Barudpura - - - - -	—
Barwani - - - - -	—

## Dewas district :—

Bagode - - - - -	—
Garhi - - - - -	—
Jamnia - - - - -	—
Kotiday - - - - -	—
Rajgarh - - - - -	—

## Indore districts :—

Barwai - - - - -	—
Dhurgaon - - - - -	—
Khurgone - - - - -	—
Khusrawal - - - - -	—

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Bujrungarh - - - - -	—
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## Guna Agency—cont.

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Dharnaoda - - - - -	—
Garha - - - - -	—
Omri - - - - -	—
Paron - - - - -	—
Raghugarh - - - - -	—
Sirsi - - - - -	—

## Tonk district :—

Chapra* - - - - -	—
-------------------	---

\* Also included in the Harowtee Agency of Rajputana.

## Jhallawar pergunnah :—

Shahabad - - - - -	—
--------------------	---

See also No. 6, Western Malwa Agency, and No. 5, Harowtee Agency in Rajputana.

## 7. THE CENTRAL PROVINCES.

In Four Divisions under Commissioners; also Fifteen Native Principalities attached to certain Districts.

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## 1. Chattisgarh Division.

## In Three Districts :—

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2. Raipur - - - - -	276
3. Sambalpur - - - - -	276
4. Upper Godavari (Sironcha) - - - - -	276, 285, 288

[See C. P. Adm. Report, 1873-74, pages xlv. and 2.]

## 2. Jubbulpore Division.

## In Five Districts :—

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2. Jubbulpore - - - - -	277
3. Mandla - - - - -	277
4. Saugor - - - - -	278
5. Seoni - - - - -	278

## 3. Nagpur Division.

## In Five Districts :—

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3. Chanda - - - - -	278
4. Nagpur. The chief town is the seat of the Chief Commis- sioner - - - - -	279
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## 4. Nerbudda Division.

## In Five Districts :—

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2. Chindwara - - - - -	279

### 7. The Central Provinces—Nerbudda Division—*cont.*

	Page
3. Hoshangabad - - -	280
4. Nimar (Burhanpur) - - -	280
5. Narsinghpur - - -	281

#### Native Principalities

##### Under the Central Provinces.

##### Attached to Bilaspur district :—

Kawarda - - -	—
Sakti* - - -	—

##### Attached to Raipur district :—

Kanker - - -	—
Khairagarh* - - -	—
Kondka - - -	—
Nandgaon - - -	—

##### Attached to Sambalpur district :—

Bamra - - -	—
Karond or Kalahandi - - -	—
Patna* (Bolangir) - - -	—
Raigarh-bargarh - - -	—
Rairakhol - - -	—
Sarangarh - - -	—
Sonpur - - -	—

##### Attached to Hoshangabad district :—

Makrai - - -	—
--------------	---

##### Attached to Upper Godavari district :—

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### 8. HYDERABAD AND BERAR.

#### HYDERABAD.

In Sarkars or Circars grouped partly in Five Circles, as follows; the rest forming the Surfi-khas, Paegah, Dewani, and Suburban domains, in some unexplained way.

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Medak - - -	284, 286, 289, 290, 291

#### III.

Aurangabad† - - -	283, 285, 289, 290
Bir - - -	283, 285, 288, 290
Patri (Parbhani) - - -	284, 217, 289, 291

\* Under temporary British management.

† Also called Dowlutabad Circar.

### 8. Hyderabad and Berar—*cont.*

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Under a Commissioner, subordinate to the Chief Commissioner at Hyderabad.

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2. Amraoti† - - -	292
3. Basim - - -	283, 290, 292
4. Buldana - - -	—
5. Ellichpur - - -	292
6. Wun - - -	—

The following note explains the relation of the present districts of Berar, to the former Circar maps. Akola was part of Nurnulla Circar. Amraoti was part of Gawilghur. Basim District includes parts of Maiker, Basim, and Mahur Circars. Buldana is formed from parts of Nurnulla and Maiker Circars. Ellichpur includes parts of Gawilghur and Nurnulla. Wun was part of Mahur Circar.

\* The city of Hyderabad, the seat of the Nizam's Government, is in Golkonda Circar.

† The chief town is the seat of the Commissioner.

**9. MYSORE AND COORG.**

Mysore in Three Divisions under Commissioners.

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In Three Districts :—

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**3. Nundydroog Division.**

In Three Districts :—

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Khasi Estates :—

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Chella	—
Cherra	—
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Jirang	—
Khyrum	—
Langrum	—
Maharam, Lower	—
Maharam, Upper	—
Malai Chamut	—
Maodori	—
Maosanram	—

\* The chief town is the seat of the Chief Commissioner.

† The chief town is the seat of the Chief Commissioner of Assam.

**10. Assam—cont.**

Khasi Estates—cont.

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Nongstoin	—
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A Penal Settlement under a Superintendent.

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\* The chief town is the seat of the Chief Commissioner.



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## MADRAS PRESIDENCY.

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## III.

## BOMBAY PRESIDENCY.

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## Native Principalities

under the Bombay Government.

## IN THE NORTHERN DIVISION.

1. *Cutch Agency.*

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2. *Kattywar Agency.*

Under a Political Agent and Four Assistants.

The Native Chiefs are divided into eight classes; the lowest class, having no jurisdiction, is omitted in the following list. The other seven classes have their juridical authority extended gradually up to the first, and are distinguished accordingly.

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i. *Jhalawad Division.*

Head Quarters, Wadhwan Station.

i. Dhrangadra - - -	—
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\* The seat of the Governor of the Presidency.

i. Jhalawad Division—*cont.*

	Page
II. Limri (Special Assistant)	—
Wadhwan	—
Wankaner	—
III. Than Lakhtar	—
Sayla	—
Chura	—
Jasdan	—
IV. Muli	—
Bajana	—
V. Vithulgad	—
Patri	—
Wunode	—
Sudamra	—
Dandhalpur	—
VI. Bhoika	—
Chotila	—
Dasara	—
Annandpur	—
Paliyad, and eleven others	—
VII. Sahuka, and three others	—

## ii. Sorath Division.

Head Quarters, Manukwara.

I. Junagarh	—
II. Jafarabad. (Belongs to Jinjira.	—
See Bombay Native Agencies, No. 13)	—
III. Bantwa (Special Assistant)	—
Porbandar	—
V. Jetpur-Bilka	—
Wasawad	—
Dedan	—
VI. Bagasra	—
Babra	—
Kotra Pita	—
Vichhavur	—
VII. Lakhapadur and ten others	—

## iii. Halar Division.

Head Quarters, Rajkot.

I. Nawanagar	—
II. Gondal	—
Rajkot	—
Dhrol	—
Morvi	—
IV. Virpur	—
V. Mengni	—
Kotra Sangani	—
Gowridar	—
Pal	—
Gadka	—
Jalia Dewani	—
Malia	—
VI. Drapha (1)	—

iii. Halar Division—*cont.*

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Satudar Wari (1)	—
Bhadwa (2)	—
Rajpura (2)	—
Kotharia	—
Shahpur (2)	—
VII. Mulila Deri (1)	—
Sisang Chandli	—
Lodhika (2)	—
Wudali	—
Khirusra (2)	—

(1) Taluks of Drapha, four in all.

(2) Taluks of the Rajput Bhayati-thana, thirteen in all.

## iv. Gohelwad Division.

Head Quarters, Sonpuri.

I. Bhaunagar	—
II. Palitana	—
III. Wala	—
IV. Lathi	—
V. Datha	—
VII. Waori Wachhani	—
Dhola Dewani	—
Guddali	—
Ghundhol	—

\*\* See also Baroda Residency, Ahmedabad District, and the Portuguese Territories, for the rest of Kattywar.

## 3. Pahlampur Agency.

Under a Political Superintendent.

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Khankrej	—
Pahlampur	—
Radhanpur	—
Santalpur and Chadchat	—
Suigam	—
Terwara	—
Tharad and Morwara	—
Wao	—
Warahi	—
Districts not named	—

## 4. Mahikanta Agency.

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Katosan Zillah	—
Nani Marwar Zillah, except three taluks and Edar	—
Saburkanta Zillah	—

4. Mahikanta Agency—*cont.*

Page

*Political Assistant.*

Edar	-	-	-	—
Rehwar Zillah	-	-	-	—

*Political Assistant.*

Watrak Kanta Zillah	-	-	-	—
Bawisi Zillah	-	-	-	—
Three taluks in Nani Marwar	-	-	-	—
viz., Malpur, Mugdri, and Gabut.				

The division of Mahikanta into six Zillahs or districts appears still to be in operation; although in a recent statement (Gov. Ind. For. Dep., Pol. 114 of 1877), the Mahikanta Agency is described as divided into 12 large and 47 petty states. The 12 states are:—Edar,\* Pol,\* Mansa,† Mohanpur,‡ Sathasna,\* Danta,\* Malpur,\* Ghorasar,† Amalyara,† Ranasan,‡ Pethapur,† and Ilol.† Those marked \* are in Nani Marwar; those marked † are in Watrak; and those marked ‡ are in Rehwar.

## 5. Rewakanta Agency.

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Chota Udepur*	-	-	-	456
Karana	-	-	-	—
Lunawara*	-	-	-	—
Pandu Mewas Estates	-	-	-	—
Rajpipla*	-	-	-	456
Sankhera Mewas, in twenty-eight				
Estates	-	-	-	—
Sunth*	-	-	-	456
Umita	-	-	-	—
Sanjeli	-	-	-	—

Seven Civil Stations under Agency  
Superintendence, viz. :—

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Lunawara	-	-	-	—
Pandu	-	-	-	—
Rampur	-	-	-	—
Wadia	-	-	-	—
Wasawa	-	-	-	—

NOTE.—The six principal states are distinguished by \*; there are besides 56 petty states.

## 6. Panch Mehals Agency.

Narukot (chief town Jambughora)	-	—
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## 7. Baroda Residency.

The Gaikawar's territories in Guzerat, Kattywar, and Khandesh :—

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7. Baroda Agency—*cont.*

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Kirli	-	-	—
Palasvihir	-	-	—
Pimpladevi	-	-	—
Pimpri	-	-	—
Shivbara	-	-	—
Surgana taluka	-	-	—
Wadhawan	-	-	—
Wasurna	-	-	—

## Mewas States :—

Chikhli	-	-	—
Gawhali	-	-	—
Katli	-	-	—
Nal	-	-	—
Nawalpur	-	-	—
Singpur	-	-	—

NOTE.—Twenty-three states are said to be in this Agency.

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## 12. Tanna Agency.

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# THE INDIAN SURVEYS.

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## A CATALOGUE

OF

MANUSCRIPT AND PRINTED

REPORTS, FIELD BOOKS, MEMOIRS, MAPS, &c.  
OF THE INDIAN SURVEYS,

DEPOSITED IN THE

GEOGRAPHICAL DEPARTMENT

OF THE

INDIA OFFICE.

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PUBLISHED BY ORDER OF HER MAJESTY'S SECRETARY OF STATE  
FOR INDIA IN COUNCIL.

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### I.

#### INTRODUCTORY MEMOIRS, ETC.

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A MEMOIR on the INDIAN SURVEYS; by Clements R. Markham. London, 1871. *Imperial 8vo.*, xxv and 303 pages. *Half bound.*

CONTENTS.—Indian Marine Surveys; Route Surveys; Trigonometrical and Topographical Surveys; Supply of Instruments; Geological Survey; Archæological Survey; Meteorological and Tidal Observations; Astronomical Observations; Physical Geography of India; List of Members of the Great Trigonometrical, Topographical, and Revenue Surveys, and of the Geological Survey, &c.

[In continuation of the preceding Memoir.]

ABSTRACT of the REPORTS of the SURVEYS and of other GEOGRAPHICAL OPERATIONS in INDIA for 1869-70. By Clements R. Markham. *Imperial 8vo.*, 35 pages. Also for 1870-71, 1871-72, 1872-73, 1873-74, 1874-75. To be continued annually.

STATEMENT exhibiting the MORAL and MATERIAL PROGRESS of INDIA during the year 1872-73. Presented to Parliament pursuant to Act. With a Preface, by Clements R. Markham.

Contents: I. Administration and Legislation. II. Finance. III. Land Revenue. IV. Agriculture. V. Irrigation. VI. Communications. VII.



Forests. VIII. Minerals. IX. Trade and Manufactures. XI. Police and Justice. XII. Education. XIII. Political. XIV. Military. XV. Surveys and Statistics.

Maps :—1. A map of India for the places named in the Statement. 2. A map of the Civil Divisions of India, including Governments, Divisions, and Districts, Political Agencies, and Native Territories, with a list. 3. The Rainfall of India. 4. The Irrigation Canals and River Basins of India. 5. Indian Railways, Telegraphs, Ports, Lighthouses, Caravan and Steam Packet Routes. 6. Karachi Harbour. 7. Palk Strait and the Gulf of Manaar. 8. Pamban Ship Canal. 9. The Forests of India. 10. An Index to the Geological Survey of India. 11. Trade Routes to Tibet from the Lower Provinces of Bengal and Assam, with a list of explorers, remarks and notes. 12. British India, with its Dependencies and Political Agencies, including Aden, Baghdad, Bushire, Muscat, and Zanzibar. Also the surrounding States with reference to the Persian, Afghan, Beluch, Turkish and Russian Boundaries. 13. Military Map of India. 14. Calcutta Harbour Defences. 15. Bombay Harbour Defences. 16. Index to the Trigonometrical Survey of India.

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## II. THE GREAT TRIGONOMETRICAL SURVEY OF INDIA.

---

### THE REPORTS AND CHARTS,

OF

### THE TRIANGULATION OF INDIA FROM ITS COMMENCEMENT,

DEPOSITED IN THE MAP ROOM OF THE INDIA OFFICE, LONDON,  
AND CATALOGUED IN THE FOLLOWING ORDER:—

- |  |  |  |
|--|--|--|
| 1. MANUSCRIPT REPORTS.<br>2. MANUSCRIPT ANGLE BOOKS, &c. |  | 3. PRINTED REPORTS, &c.<br>4. CHARTS OF THE TRIANGLES. |
|--|--|--|

### 1. MANUSCRIPT REPORTS.

#### VOLUME 1.

An Account of TRIGONOMETRICAL OPERATIONS carried on in the Carnatic in the years 1802 and 1803, being a work intended to improve and correct the Geography of the Peninsula of India. By Brigade Major William Lambton, assisted by Lieutenant Warren, of H.M. 33rd Regt. See Heading to page 1. MS. 122 pages, and a map; with contents before page 1, but no title. (Sections I. to V.) In paper cover.

#### CONTENTS OF VOL. I., PART I.

##### *Section I.*

1. An Account of the measurement of a Base Line near St. Thomas' Mount in the year 1802.
2. Observations for determining the angle which the Base Line makes with the Meridian.
3. Commencement of the operations from the Base. The Large Theodolite.

##### *Section II.*

4. The Principal Triangles.
5. First class of Secondary Triangles in which objects have been intersected by the Large Theodolite.
6. The second class of Secondary Triangles, or those wherein the angles have been taken by the Circular Transit Instrument. Short Description of that instrument.

##### *Section III.*

7. Observations by the Zenith Sector for the latitude of Pandree Station, and the Station near Trivandiporum; and the length of the Celestial Arc.
8. Observations at Trivandiporum Station between the Polar Star at its greatest Western Elongation and the referring lamp near Tripnaumbaicum.
9. Reduction of the distances to the Meridian of Trivandiporum, for determining the length of the Terrestrial Arc.

10. Of the Polar Star Observations at Carongooly and Carnatighur, and the length of a degree perpendicular to the Meridian deduced therefrom for the latitude of  $12^{\circ} 32'$  nearly.

#### Section IV.

11. Table containing the angles with the Meridian of Trivandiporum and its parallels, and the distances from that Meridian and from its perpendiculars at the Station of Observation.

12. Table containing the angles with the Meridian of Carongooly and its parallels, and the distances from that Meridian and from its perpendicular.

13. Table containing the angles with the Meridian of Carnatighur and its parallels, and the distances from that Meridian and from its perpendicular.

14. General Table of Latitudes and Longitudes.

15. Table containing the Apparent Elevations and Depressions of the Principal Stations, with the terrestrial refraction, and also their perpendicular heights above the level of the sea.

16. Description of the Stations forming the Principal Triangles.

#### Section V.

17, 18, 19, 20, 21, 22. On the figure of the Earth as deduced from the foregoing data, and from the Meridional degrees, &c. in latitudes  $50^{\circ} 41'$  and  $12^{\circ} 32'$ .

### VOLUME 1, PART 2, IN 2 Nos.

An Account of the TRIGONOMETRICAL OPERATIONS carried on in the Peninsula of India from 1803 to 1806, under the superintendence of Capt. Wm. Lambton. No. 1 contains Sections VI. to IX. in part; No. 2 contains the remainder of Section IX. to XIV. MS. 277 pages, with a map. In two paper covers.

#### CONTENTS OF VOL. I., PART II., Nos. 1 AND 2.

General Account of the Survey from the latter end of 1803 to the completion of the field work in 1806.

#### Section VI.

23. Angles at Kylasghur.

24. Measurement of the Base Line near Bangalore.

25. Angles continued.

#### Section VII.

26. Principal Triangles.

27. Measurement of the Base Line in the Coimbatour.

28. Triangles.

29. The measure of an Arc on the Meridian, from which is deduced the length of a degree in latitude  $11^{\circ} 59' 55''$ .

#### Section VIII.

Zenith Distances of Stars observed at Paughur, Dodagoontah, Puchapolliam, and Bomasundrum, with their corrections for Precession, Nutation, Aberration, and the Semi-annual Solar Equation back to the beginning of 1805 :—

30. Observations at Paughur.

31. Observations at Dodagoontah.

32. Observations at Puchapolliam.

33. Observations at Bomasundrum.

Means of the Zenith Distances taken on the right and left arcs, corrected for refraction, equation of the sectorial tube, and the mean runs of the micrometer :—

34. Zenith Distances at Paughur.

35. Zenith Distances at Dodagoontah.

36. Zenith Distances at Puchapolliam.

37. Zenith Distances at Bomasundrum.

38. Latitude of Dodagoontah Station.

## 39. Amplitudes of the Arcs.

Discrepancies in the Observations, attributed to a deflection of the plumb line by mountainous masses or mineral veins.

*Section IX.*

40. The Measurement of an Arc perpendicular to the Meridian, and the length of a degree in latitude  $12^{\circ} 55' 10''$ .

41. The Arc comprehended by the Meridian of Savendroog and Mullapunnabetta.

42. The Arc comprehended by the Meridians of Savendroog and Yerracondah. End of No. 1. This article is completed in No. 2.

## No. 2.

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43. Latitude and Longitude of Kylasghur.

44. Latitude and Longitude of Karnatighur, and the position of its Meridian deduced from that of Kylasghur.

45. The Latitude and Longitude of Carangooly Hill.

46. Latitude and Longitude of Balroyndroog.

*Section XI.*

47. Secondary Triangles, 1st Class.

*Section XII.*

48. Bearings of Places and their Distances from the Stations at,—also their distances from the parallels and perpendiculars to—the Meridian of Kylasghur.

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50.                   "                   "                   the Meridian of Dodagoontah.

51.                   "                   "                   the Meridian of Savendroog.

52.                   "                   "                   the Meridian of Mullapunnabetta.

53.                   "                   "                   the Meridian of Balroyndroog.

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58.                   "                   "                   the Meridian of Mullapunnabetta.

59.                   "                   "                   the Meridian of Balroyndroog.

*Section XIV.*

60. Description of the Great Stations.

61. Elevations and Depressions, Contained Arcs, Terrestrial Refractions, together with the Heights above the level of the sea, of all the Principal Stations.

Plan of all the Principal Triangles since the commencement of the Survey, in 1802.

## VOL. 2.

An Account of the TRIGONOMETRICAL OPERATIONS carried on in the Peninsula of India under the superintendence of Major Wm. Lambton, 1807 to 1811. On 255 pages, no title, with a map. (Sections XI. to XIX.) Half bound.

## CONTENTS OF VOL. II.

General Account of the Survey from 1807 to 1811.

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76. Principal Triangles taken up at Kallagamalli, South-east end of the Base and Yaelmator Hill, and continued to the side Sekundermalli from Suddragherry.

\* The recurrence of the sectional numbers back to XI. after reaching XIV. in the former volume, and the gap in the numbers of the chapters between 61 and 75 is not explained.

77. Measurement of the Base Line near Palamcottah.

78. Principal Triangles taken up at the Base near Palamcottah, and continued back to the side Sekundermalli from Suddragherry.

79. Principal Triangles taken up at the distance Vullanaud from Vullunkota derived from the Base near Palamcottah, and continued to Punnac Station, near Cape Comorin.

80. Description of the Great Stations forming the Principal Triangles.

81. Secondary Triangles, first class.

82. Principal Triangles taken up at Trivandiporum, and continued down to Tranquebar.

83. Principal Triangles.

84. Description of the Great Stations forming the Principal Triangles.

85. Secondary Triangles, first class.

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86. Measurement of the Base Line near Tanjore.

87. Triangles carried back from the Base to the Sea Coast at Nigapatnam and Nagore.

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88. Secondary Triangles, second class.

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96. Pole-star Observations at Punmalli Station reduced for determining the position of the Meridian.

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99. Zenith Distances of Stars observed at Punnac Station, and their correction for Precession, Nutation, Aberration, and the Semi-annual Solar Equation back to the beginning of 1805.

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101. Stars observed at Putehapollam in 1806, and not included in the former Report.

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106. ——— the Meridian of Dodagoontah.

107. ——— the Meridian of Punmalli.

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## VOL. 3.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Lieut.-Col. Wm. Lambton, F.R.S., 33rd Regiment of Foot. Vol. III. (With an Introduction to Vols. 3 and 4, dated Hyderabad, 1818.) On 413 pages, with title and map. Whole bound, calf. (Sections XX. to XXIX.)

\* This volume includes the operations from 1811 to 1814.

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## VOL. 4.

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## VOL. 5.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Lieut.-Col. W. Lambton, F.R.S., and Corresponding Member of the Royal Academy of Sciences at Paris, 33rd Regiment of Foot, and Captain G. Everest, F.R.S., &c., Bengal Artillery. Vol. V. On 309 pages Half bound. (Sections XXXV. to XLI.)

\* \* This volume describes Col. Lambton's work up to 1823, and is signed by him: It was issued and countersigned by Col. Everest in 1832.

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207. Secondary Triangles.

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208. Angles.

209. Principal Triangles.

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211. Secondary Triangles.

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215. Secondary Triangles, first class.

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217. Principal Triangles.

218. Description of the Great Stations.

219. Secondary Triangles, first class.

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\* This is the last of Col. Lambton's reports; the appendix, by Capt. Everest, relates to his own work under Col. Lambton in 1822-23, and to Capt. Garling's in 1816-17. It was issued in 1832.

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225. Zenith Distances of stars observed at Daumergidda Station, with the corrections for Precession, Nutation, Aberration, and the Annual Solar Equation, back to the beginning of the year 1805.

226. Means of the Zenith Distances taken on the right and left Arc corrected for Refraction, equation of the Sectorial Tube, and the mean runs of the Micrometer.

227. Amplitude of the Arc between Namthabad and Daumergidda.

228. Amplitude of the Arc between Punnae and Daumergidda by seven corresponding stars.

229. Celestial Arc between the parallels of Putchapolliam and Namthabad. (See Asiatic Researches, Vol. 12.)

230. Corrections applied to the great Meridional Arc extending from latitude  $8^{\circ} 9' 38.39''$  to latitude  $18^{\circ} 3' 23.64''$  to reduce it to the Parliamentary Standard. (With calculations on the figure of the earth.)

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232. ——— to the Meridian of Yerraconda Station.

233. ——— to the Meridian of Kylasgurrh Station.

234. ——— to the Meridian of Carangooly Station.

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\* \* The continuous enumeration of the Sections and Chapters terminates here.

## APPENDIX BY COLONEL GEORGE EVEREST.

Section 1. Principal Triangles branching westward from the Meridional Series commencing with the distance Bongapilly from Baukthapoor as the base (*see* General Report, 5th Vol., page 69) for the purpose of connecting Bombay with the Meridian of Dodagoonta, but continued only to Chorakullee and Sawurgaon, where it terminated in February 1823.

2. Principal Triangles.

3. Secondary Triangles, first class.

Observed Azimuths.

Latitudes, Azimuths, Longitudes. (On the old and new formulæ, with examples of the latter.)

General Reduction of Latitudes, Azimuths, and Longitudes of the Principal and Secondary Stations of the Branch Series extending westward for connecting Bombay with the Meridian of Dodagoontah.

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## CAPTAIN GARLING'S TRIANGLES.

Register of the Triangles for the Survey of the Dooab, Nizam's Dominions, between the Tungubndra and Kishna Rivers. By Lieut. Garling, taken in the years 1816 and 1817.

Register of Triangles for the Survey of the Western Boundary of the Nizam's Dominions. By Capt. Garling, in 1819 and 1820.

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## VOL. 7.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Lieut.-Colonel G. Everest, Bengal Artillery, Surveyor-General of India, F.R.S., &c. Vol. 7.

*Part 1.* On 413 pages, with map, title, preface, and contents. Half bound.

*Part 2.* On 658 pages, with map, title, contents, and half title. Half bound.

*Appendix to Part 2.* On 346 pages, with half title and contents. Half bound.

No dates.

\* \* This division describes the operations from January 1823 to 1837, or the Great Arc Series, Bider to Sironj and Dehra.

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Preface. Contents.

Introduction. Records the death of Lieut.-Colonel Lambton, and the proceedings of his successor; the revision of part of the Great Are; improvement in the determination of Azimuths; methods of deducing Latitudes and Longitudes; calculations relating to the Figure of the Earth.

Observed Angles of the Section Kalianpur-Damargida, Series B. and C.

Principal Triangles of the Section Kalianpur-Damargida, Series B. and C.

Synopsis showing the length of the Terrestrial Are in feet comprised between the Parallels of Kalianpur and Damargida, Series B.

Synopsis showing the length of the Terrestrial Are in feet comprised between the Bases of Sironj and Bider, or the value of the term S deduced from the Sironj Base.

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Sketch illustrative of the Meridional Triangles of the Section Kalianpur to Damargida, and the points to its south in continuation of the course of the Great Are Series.

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 \* \* \* Calcutta Longitudinal Series.\*

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#### Separate Documents.

\* Register of Calculations of the Branch of the Great Trigonometrical Survey conducted by Mr. J. Olliver, from 1825 to 1829. On 30 leaves, in cover. See *Introduction, Vol. 8, Part 1.*

The **TRIGONOMETRICAL SURVEY** of the **PENINSULA** of **INDIA**. Under the superintendence of Lieut.-Colonel G. Everest, Bengal Artillery, Surveyor-General of India, F.R.S., &c. *Vol. 8, Part 2.* On 212 pages, with title, contents, and map. Half bound. No dates.

\* \* \* Bombay Longitudinal Series.

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#### VOL. 9.

The **TRIGONOMETRICAL SURVEY** of the **PENINSULA** of **INDIA**. Under the superintendence of Lieut.-Colonel G. Everest, Bengal Artillery, Surveyor-General of India, F.R.S., &c. *Vol. 9, Part 1.* On pages i to xi and 1 to 162, with title, map, and contents.

\* \* \* Budhon Meridional Series.—

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*Also in the same cover :—*

The **TRIGONOMETRICAL SURVEY** of the **PENINSULA** of **INDIA**. Under the superintendence of Lieut.-Colonel G. Everest, Bengal Artillery, Surveyor-General of India, F.R.S., &c. *Vol. 9, Part 2.* On 258 pages, with title and contents. Half bound.

\* \* \* Rangir Meridional Series.

\* See also Budhon triangles, &c. received with letter from Lieut. MacDonald. See also Capt. W. S. Jacob's Observations for the Bombay Longitudinal Series, with a report and correspondence. 1837-38. Foolscep. Unbound: MS.

Secondary Triangles, Main Series.  
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Observed Azimuths.

Synopsis of Azimuths.

Secondary Triangles.

Latitudes, Longitudes, and Azimuths.

General alphabetical list of Latitudes and Longitudes of Principal and Secondary Stations.

✓ Frontispiece. Skeleton Plan of the Triangulation of the Bombay Longitudinal Series, carried on under the orders of Lieut.-Colonel Everest, Surveyor-General of India, chiefly by Lieut. W. S. Jacob, 1st Assistant, Great Trigonometrical Survey, in the years 1822 to 1842. S. G. O., Calcutta, 1843. *Scale, 8 miles to 1 inch; size, 36 inches by 48.*

#### VOL. 9.

**The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA.** Under the superintendence of Lieut.-Colonel G. Everest, Bengal Artillery, Surveyor-General of India, F.R.S., &c. *Vol. 9, Part 1.* On pages i to xi and 1 to 162, with title, map, and contents.

\* \* Budhon Meridional Series.\*

#### CONTENTS OF VOL. 9, PART 1.

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Principal Triangles.

Description of Principal Stations.

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Secondary Triangles.

Latitudes, Longitudes, and Azimuths of Principal Stations.

Tables of Corrections to the Mean Latitudes and Longitudes.

Latitudes, Longitudes, and Azimuths of Secondary Stations.

General alphabetical list of Latitudes and Longitudes.

Frontispiece. Skeleton Plan of the Triangulation of the Budhon Meridional Series, conducted under the orders of Lieut.-Colonel Everest, Surveyor General of India; commenced by Lieut. MacDonald, of the 69th N.I. in the year 1833, and terminated by Lieut. Renny, of the Bengal Engineers, 1843. *Scale, 8 miles to 1 inch; size, 16 inches by 56.*

*Also in the same cover:—*

**The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA.** Under the superintendence of Lieut.-Colonel G. Everest, Bengal Artillery, Surveyor-General of India, F.R.S., &c. *Vol. 9, Part 2.* On 258 pages, with title and contents. Half bound.

\* \* Rangir Meridional Series.

\* See also Budhon triangles, &c. received with letter from Lieut. MacDonald. See also Capt. W. S. Jacob's Observations for the Bombay Longitudinal Series, with a report and correspondence. 1837-38. Foolscap. Unbound: MS.



## CONTENTS OF VOL. 9, PART 2.

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 General alphabetical list of Latitudes and Longitudes of Principal and Secondary Stations.  
 Frontispiece. Skeleton Plan of the Triangulation of the Rangir Meridional Series, &c.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Lieut.-Colonel G. Everest, Bengal Artillery, Surveyor-General of India, F.R.S., &c. *Vol. 9, Part 3.* On pages i, ii, and 1 to 86, with title, contents, and map.  
 \* \* Amua Meridional Series.\*

## CONTENTS OF VOL. 9, PART 3.

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*Also in the same cover :—*

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Lieut.-Colonel G. Everest, Bengal Artillery, Surveyor-General of India, F.R.S., &c. *Vol. 9, Part 4.* On 101 pages, with title, contents, and map.  
 \* \* Himalaya Longitudinal Series.

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North Connecting Series in the Sub-Himalaya Range.—Introduction.  
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\* *Separate Documents.*

Office Register of Computations, &c. relative to Amua Meridional Series.  
 Register of Simultaneous Vertical Angles, &c. relative to Amua Meridional Series.  
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Frontispiece. Skeleton Plan of the Triangulation of the Himalaya Longitudinal Series, &c.

*Also in the same cover :—*

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Lieut.-Colonel G. Everest, Bengal Artillery, Surveyor-General of India, F.R.S., &c. *Vol. 9, Part 5.* On 51 pages. Vol. 9, parts 3, 4, 5, are in 1 vol. Half bound.

\* \* \* Pilibit Terai Longitudinal North Connecting Series.

#### CONTENTS OF VOL. 9, PART 5.

North Connecting Series in the Pilibit Terai.—Introduction.

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Description of Principal Stations.

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General alphabetical list of Latitudes and Longitudes of Principal and Secondary Stations.

Frontispiece. Skeleton Plan of the Triangulation carried on in the Pilibit Terai, &c.

\* \* \* This is the last of Colonel Everest's reports.

#### VOL. 10.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Captain A. S. Waugh, Bengal Engineers, Surveyor-General of India. *Vol. 10, Part 1.* On 180 pages, with title, contents, and map. Dated, Allahabad, 1846.

\* \* \* Karara Meridional Series.

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Synopsis of Angles observed at Sora Station with Syad Mir Mohsin's Theodolite.

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Position of the Transit Instrument at Lucknow Observatory computed.

Computation of Heights.

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Frontispiece. Skeleton Plan of the Triangulation of the Karara Meridional Series.

*Also in the same cover :—*

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Captain A. S. Waugh, Bengal Engineers, Surveyor-General of India. *Vol. 10, Part 2.* On 44 pages, with title, contents, and map. Half bound.

\* \* \* North Longitudinal Series, connecting Amus and Karara.

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The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Captain A. S. Waugh, Bengal Engineers, Surveyor-General of India. *Vol. 10, Part 3.* On 298 pages, with title, contents, and map. Half bound.

\*<sup>2</sup> Gurwani Meridional Series.

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 Synopsis of Latitudes, Longitudes, and Azimuths of Principal Stations and Secondary Points.  
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The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Captain A. S. Waugh, Bengal Engineers, Surveyor-General of India. *Vol. 10, Part 4.* On 231 pages, with title, contents, and map. Half bound.

\*<sup>2</sup> Gora Meridional Series.

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## VOL. 11.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Captain A. S. Waugh, Bengal Engineers, Surveyor-General of India. Part 1 is missing at the India Office.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Captain A. S. Waugh, Bengal Engineers, Surveyor-General of India. *Vol. 11, Part 2.* On pages i to xvi and 1 to 308, with title, contents, and map. Half bound.

\*.\* Chendwar Meridional Series.

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The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Captain A. S. Waugh, Bengal Engineers, Surveyor-General of India. *Vol. 11, Part 3.* On pages i to xix and 1 to 1100, with title, contents, and map. Half bound.

\*.\* Hurilaong Meridional Series.

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**The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA.** Under the superintendence of Captain A. S. Waugh, Bengal Engineers, Surveyor-General of India. *Vol. 11, Part 4.* On pages i to xi and 1 to 175, with title, contents, and map. Half bound.

\* \* North Parasnath Meridional Series.

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## VOL. 12.

Part 1 is missing at the India Office.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Captain A. S. Waugh, Bengal Engineers, Surveyor-General of India. *Vol. 12, Part 2.* On 202 pages, with title, contents, and map. Half bound.

\* Maluncha Meridional Series.

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Part 3 is missing at the India Office.

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\* Calcutta Meridional Series, and Sonakhoda Base.

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The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Commenced under the superintendence of Lieut.-Colonel G. Everest, Bengal Artillery, late Surveyor-General of India, F.R.S., and completed under the superintendence of his successor. *Vol. 13, Part 1.* On 140 pages, with title, contents, and map. Dated Dehra Dun, 1848.

\* South Parasnath Meridional Series.

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The remainder is missing at the India Office.

## VOL. 14.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Captain A. S. Waugh, Bengal Engineers, Surveyor-General of India. *Vol. 14, Part 1.* On 81 pages, with title, contents, and map.

\* South Konkan Meridional Series.

## CONTENTS OF VOL. 14, PART 1.

South Konkan Meridional Series.—Introduction.

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Skeleton Plan of Triangulation of the Series.

The remainder is missing at the India Office.

## VOL. 15.

The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Lieut.-Colonel Sir A. S. Waugh, Bengal Engineers, F.R.S. and F.R.G.S., Honorary Associate Geographical Society of Berlin, Surveyor-General of India, and Superintendent Great Trigonometrical Survey. *Volume 15.* On 860 pages, with title, half-title, contents, and map, in 2 sheets. Bound.

\* \* North-east Longitudinal Series.

## CONTENTS OF VOL. 15.

North-east Longitudinal Series.—Introduction.

Provisional results of Trigonometrical Levelling.

Formula, &c., for assumption that the given Geodetic Distance is an arc of a circle instead of an ellipse.

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Deduction of Dehra Doon and Sonakoda base lines.

Principal Stations, Triangles, Latitudes, Longitudes, and Azimuths, and Heights above sea level.

Results of Circumpolar Star Observations at seven stations.

Results of Circum-meridional Observations for Latitudes.

## SECONDARY OPERATIONS IN THE PLAINS.

Minor Triangles.

Synopsis of Latitudes, Longitudes, and Azimuths of foregoing.

## SECONDARY MOUNTAIN TRIANGULATION.

Auxiliary stations description, Triangles, Latitudes, Longitudes, and Azimuths, and Heights above sea level.

*Points on the Himalaya Mountains.* Triangles, Synopsis of Sides, Latitudes, Longitudes, and Azimuths, Heights above sea level, comparative table of Marks for the Snowy Peaks, and their identification with other authorities.

*Points on the Sub-Himalaya Mountains.* Triangles, Synopsis of Sides, Latitudes, Longitudes, and Azimuths, Heights above sea level.

Addenda concerning a few points in Mussoorie, Landour, and Roorkee College.

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*Note.*—On the reduction for discrepancy between Observed and Computed Amplitudes.

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The TRIGONOMETRICAL SURVEY of the PENINSULA of INDIA. Under the superintendence of Lieut.-Colonel Sir A. S. Waugh, Bengal Engineers, F.R.S. and F.R.G.S., Honorary Associate Geographical Society of Berlin, Surveyor-General of India, and Superintendent Great Trigonometrical Survey. *Appendix to Volume 15.* On 204 pages, with title, contents, and half-titles. Bound.

\* \* Continuation of the North-east Longitudinal Series.

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Minor Triangulations.

Shahjehanpoor Triangulations.

Alignments.

River Gogra Route Survey.

Shahjehanpoor Route Survey.

Alphabetical list of Perambulator Points.



*The following, though belonging to the foregoing series, are not numbered accordingly :—*

## CHUEH and KARACHI BASE LINES. In 1 vol. Bound.

Particulars of a Base Line measured with the Compensation Bars in the Plain of Chueh, near Attock, on the Indus, in 1853-54. Under the superintendence of Lieut.-Colonel A. S. Waugh, Engineers, F.R.S., F.R.G.S., Surveyor-General of India, and Superintendent Great Trigonometrical Survey. On pages i to xxxv and 1 to 118, with title, contents, and map on 4 pages. See Office Memorandum at page 111, referring to blank space in page 110 for verification of Great Indus Series.

Particulars of a Base Line measured with Compensation Bars near Kurrachee in Sind, in 1854-55, under the superintendence of Lieut.-Colonel A. S. Waugh, Engineers, F.R.S., F.R.G.S., Surveyor-General of India, and Superintendent Great Trigonometrical Survey. On pages i to xvi and 1 to 85, with title, contents, and map on 4 pages extra; also a copy on foolscap of a document including Remarks by Major A. Strange on Colonel Waugh's Reports on the Chueh and Karachi Base Lines; with Memoranda on the same by Col. Waugh, Capt. Montgomerie, and Mr. Hennessey.

### *Jhelum, Rawalpindi, &c., Survey.*

GENERAL REPORT of the SURVEY of the KOHISTAN of the SIND SAUGOR DOAB, surveyed under the instructions of Lieut.-Colonel A. S. Waugh, Bengal Engineers, F.R.S., F.R.G.S., &c., Surveyor-General and Superintendent, Great Trigonometrical Survey of India, by Captain D. G. Robinson, Beng. Eng., F.R.G.S., in charge Topographical Survey, B.E., No. 1, and the Assistants under his orders. Seasons 1851 to 1859. On pages i to vi, and 1 to 799, with title and contents. Bound.

\* The MS. Reports of the Triangulation of India have not been sent to the India Office since the last-named volume.

The Complete Account of the Operations of the Trigonometrical Survey is now in course of publication. See page 30.

## 2. MANUSCRIPT ANGLE BOOKS, ETC.

### *Bombay Longitudinal Series.*

REGISTER of TRIANGLES received with Lieut. Shortrede's letter, dated 7th Nov. 1833. MS.

OBSERVATIONS made by Lieut. Jacob for determining the azimuth at Mandivi and Karanja stations. Forwarded by Lieut. R. Shortrede to Major G. Everest, Surveyor-General of India. 15th August 1835. Lieut. Jacob's Angle books, 1834 to 1838. Feap.

OBSERVATIONS by W. S. Jacob, Lieut., 1st Assistant, Great Trigonometrical Survey. 1837, 1838. 1. Principal Triangles. 2. Description of Principal Stations, 3. Secondary Triangles, 1st class. 4. Height of Stations above the sea. 5. Latitudes and Longitudes of Stations. 6. Report. See letter dated Camp, Poona, 6th Sept. 1838. On 36 pages feap.

REMARKS by the SURVEYOR-GENERAL for the guidance of Captain R. Shortrede, acting 1st Assistant, Great Trigonometrical Survey in charge of the *Bombay Longitudinal Series*. 1840. On 18 pages, feap.

\* Including the Districts of Jhelum, Rawul Pindi, and portions of Shahpoor, Leiu, and Hazara.

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**AMUA MERIDIONAL SERIES.** Seasons 1833, 1834. Register  
of angles and bearings for the approximate triangles from Amua to Pavya for  
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tion of the approximate triangulation in the rains, between Bindrachal and Nepal  
Hills, and for mapping that tract of country. Amua Meridional Series, Great  
Trigonometrical Survey. 1835.

*Himalaya Longitudinal Series.*

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**CHOTA NAGPORE DIVISION SURVEY.** No. 4. Topo-  
graphical Party. Seasons 1861 to 1865. Angle Books, in 6 vols. 4to. Bound in  
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*Central Provinces (Nagpore) Survey.*

**NAGPORE SURVEY.** Register of Angles observed by Capt. Stewart from Colonel Lambton's base near Ellichpoor, and continued by Mr. Norris to Colonel Lambton's Stations on the Godavery. 1822. In 10 parts, A 1, a 2, a 3, a 4, a 5, D 8, d 9, E 10, G 11, and an unlettered packet.

*Madras Survey.*

**REGISTER and TRIGONOMETRICAL SKETCH** of the TRIANGLES, determined by the Military Institution during the Surveys of 1808 and 1809, situated between the parallels of  $12^{\circ} 10'$  and  $13^{\circ} 40'$  N. Lat., and  $00^{\circ} 35'$  to  $1^{\circ} 50'$  Long. West of Madras. No. 1. Oblong folio. Bound. MS.

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On the ASTRONOMICAL CIRCLES of the GRAND TRIGONOMETRICAL SURVEY of INDIA, with a description of the Methods employed to remedy their defects. By Lieut.-Colonel Everest (*Read December 11, 1840*). Printed Extract from the Memoirs of the Royal Astron. Soc., Vol. xii., 4to, 12 pp. and 1 plate.

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## CONTENTS:

1. Report on the progress and expense of the Great Trigonometrical Survey of India, and a Sketch Map of India, showing the extent of the Great Trigonometrical Survey up to the year 1849-50. Signed A. S. Waugh, Lieut.-Colonel Engineers, Surveyor-General of India, and Superintendent of the Great Trigonometrical Survey, S. G. O., Dehra Dun, 20 October 1850. With the following Appendix:—

(A.) Extract of Letter, No. 111, dated 25 October 1817, from Lieut.-Colonel J. Young, Secretary to the Governor-General, Military Department, to Major John Craigie, Officiating Secretary to Government in the Military Department.

(B.) Extract of a Letter from the late Colonel V. Blacker, Surveyor-General of India, to the Secretary to Government of India, Military Department, Fort William; dated 11 August 1824. With a translation of a letter from Mons. De Lambre, Perpetual Secretary of the French Institute, to Lieut.-Col. Lambton, dated Paris, 30 May 1818.

(C.) Statement of Expenses incurred on account of the Great Trigonometrical Survey of India.

(D.) Tabular Geographical Statement of Surveys in India.

2. Return of the number and what sheets of the Grand Atlas have been Completed and Engraved, with the cost thereof to the Government, &c. Signed John Walker, East India House, 2 April 1851.
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\* By Colonel J. T. Walker, R.E., F.R.S., &c., Superintendent of the Survey, and his Assistants. Dehra Doon, 1874-75. Royal 4to., cloth.

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Plan of the SECTION of the GREAT ARC SERIES of INDIA, comprised between the bases of Seronj and Beder, and thence continued southerly to the Stations of Goraegat and Topkonda. By Lieut.-Colonel Everest, Surveyor-General of India, and his Assistants. *Scale, 10 miles to 1 inch; size, 64 inches by 13.* A reduction of the foregoing plan, engraved for the published account of the Great Arc.

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Chart exhibiting the NORTHERN TERMINATION of the GREAT INDIAN ARC, which ends at the line Amsot to Banog. Surveyor-General's Office, Dinapore, 12th February 1847. Signed, A. S. Waugh, Capt. Engineers, Surveyor-General of India. *Scale, 4 miles to 1 inch; size, 44 inches by 27.* MS.

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\* \* The middle latitude of this Chart is  $13^{\circ} 45'$ ; that of the following chart, with the same title and date, is  $11^{\circ} 30'$ .

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## NORTH-EAST LONGITUDINAL SERIES.

Chart of the NORTH-EAST LONGITUDINAL SERIES under the superintendence of Lieut.-Colonel Sir Andrew Scott Waugh, Comdt. H.M. Beng. Eng., F.R.S., F.R.G.S., Hon. Associate Geographical Society of Berlin, and Fellow of Calcutta University, Surveyor-General of India, and Superintendent Great Trigonometrical Survey. Seasons 1845 to 1851. Section No. 1. *Scale, 4 miles to 1 inch; size 69 inches by 61.* This chart includes the Peaks of the Southern Himalaya from No. LIII. or Api to LXXIX. or Sargoroen. MS.

Chart of the NORTH-EAST LONGITUDINAL SERIES under the superintendence of Lieut.-Colonel Sir Andrew Scott Waugh, Comdt. H.M. Beng. Eng., F.R.S., F.R.G.S., Hon. Associate Geographical Society of Berlin, and Fellow of Calcutta University, Surveyor-General of India, and Superintendent Great Trigonometrical Survey. Seasons 1845 to 1851. Section No. 2. *Scale, 4 miles to 1 inch; size, 53 inches by 11 feet 8 inches.* This chart includes the Peaks of the Southern Himalaya from No. I. or Chumulari to LII. MS.

## \*Hodgson's and Herbert's Himalayan Peaks.

Plan of a Triangulation for determining THE POSITION OF CERTAIN OF THE PEAKS of the HIMALAYA MOUNTAINS. By Captain J. A. Hodgson and Lieut. J. D. Herbert. 1821. *Scale, 8 miles to 1 inch; size, 20 inches by 23.* MS.

## \*Pilibhit Terai Series.

Topographical Plan, compiled from route surveys, carried on by Captain A. S. Waugh, Engineers, Astronomical Assistant Great Trigonometrical Survey, and the Sub-assistants under his orders, for the SELECTION OF THE PRINCIPAL STATIONS OF THE PHILIBIT TERAISERIES, Great Trigonometrical Survey of India, in the season of 1842-43. *Scale, 4 miles to 1 inch; size, 18 inches by 24.* MS.

Skeleton plan of the TRIANGULATION carried on in the PILIBIT-TERAI, under the orders of Lieut.-Colonel Everest, Surveyor-General of India, by Capt. A. S. Waugh, Astronomical Assistant, Great Trigonometrical Survey, in the years 1842-43. *Scale, 4 miles to 1 inch; size, 31 inches by 25.* MS.

## \*Bagwara to Banog.

Plan of the TRIANGULATION of the HIMALAYA LONGITUDINAL SERIES, conducted under the orders of Lieut.-Colonel Everest, Surveyor-General of India, by Captain J. S. Du' Vernet, Madras Infantry, 2nd Assistant, Great Trigonometrical Survey. 1843. (Bagwara to Banog, eastward of Dehra Doon.) *Scale, 4 miles to 1 inch; size, 39 inches by 34.* MS.

## \*Amua and Karara Connecting Series.

Skeleton plan of the TRIANGULATION of the NORTH (EAST) LONGITUDINAL or CONNECTING SERIES, uniting the Meridians of Amua and Karara, conducted under the orders of Captain A. S. Waugh, Surveyor-General of India, by Capt. J. S. Du' Vernet, 1st Assistant, Great Trigonometrical Survey, in the season of 1843-44. *Scale, 4 miles to 1 inch; size, 18 inches by 24.* MS.

\* Note.—These are portions of the North-east Longitudinal,

Skeleton plan of the TRIANGULATION of the NORTH (EAST) LONGITUDINAL SERIES (between Amua and Karara Meridional Series), carried on under the orders of Captain A. S. Waugh, Surveyor-General of India, by Captain J. S. Du' Vernet, 1st Assistant, Great Trigonometrical Survey, in the year 1843-44. *Scale, 4 miles to 1 inch; size, 21 inches by 22.* MS., marked A. See also B, C, D, following. \*.\* The triangles are the same as in the foregoing, but the rivers are added.

Plan showing the PRINCIPAL TRIANGLES of the KARARA MERIDIONAL SERIES, Great Trigonometrical Survey, observed during seasons 1842-3 and 1843-4.

Also on the same sheet :—

Plan showing proposed method of reducing the TRIANGULATION of the KARARA MERIDIONAL SERIES to a single series of triangles conformably to instructions of 10th and 25th Sept. 1844. *Scale, 8 miles to 1 inch; size, 19 inches by 24.* MS., marked B.

Sketch plan showing the APPROXIMATE POSITIONS of the STATIONS in the TRIANGLES proposed (if possible) to be observed on the Karara Meridional Series, Great Trigonometrical Survey, during the ensuing season. *Scale, 8 miles to 1 inch; size, 17 inches by 11.* MS., marked C.

Sketch of PRINCIPAL TRIANGLES, KARARA MERIDIONAL SERIES, Great Trigonometrical Survey, selected during the season 1837-38. *Size, 19 inches by 11.* MS., marked D.

\*.\* See page 42 for the Amua and Karara Meridionals.

### *Assam Longitudinal Series.*

Preliminary Chart of the ASSAM LONGITUDINAL SERIES, Great Trigonometrical Survey of India. 1853 to 1860. *Scale, 4 miles to 1 inch; on 2 sheets; size, 26 inches by 67.* MS.

Preliminary Chart of the ASSAM LONGITUDINAL SERIES, Great Trigonometrical Survey of India. 1855 to 1860. *Scale, 4 miles to 1 inch; size, 28 inches by 42.* Photozincograph, 1873.

Preliminary Chart of the ASSAM LONGITUDINAL SERIES, Great Trigonometrical Survey of India. Seasons 1852, '53, '54, '55, and 56. *Scale, 4 miles to 1 inch; size, 26 inches by 37.* MS.

Preliminary Chart of the ASSAM VALLEY TRIANGULATION, Great Trigonometrical Survey of India. Executed with a 14-inch theodolite. Season 1868-69. *Scale, 4 miles to 1 inch; size, 21 inches by 28.* Photozincograph.

Preliminary Chart of the ASSAM VALLEY TRIANGULATION, Great Trigonometrical Survey of India. Season 1870-71. *Scale, 4 miles to 1 inch; size, 42 inches by 28.* Photozincograph.

Preliminary Chart of the ASSAM VALLEY TRIANGULATION, Great Trigonometrical Survey of India. Season 1871-72. *Scale, 4 miles to 1 inch; size, 42 inches by 28.* Photozincograph.

Preliminary Chart of the ASSAM VALLEY SURVEY, Great Trigonometrical Survey of India. Season 1872-73. *Scale, 4 miles to 1 inch; on 2 sheets; size, 42 inches by 56.* Photozincograph.

Preliminary Chart of the ASSAM VALLEY TRIANGULATION, showing the positions of the Peaks, fixed by the operations of the Survey between E. Long.  $91^{\circ} 30'$  and  $94^{\circ} 30'$ . Dehra Doon, 1875. *Scale, 8 miles to 1 inch; size, 40 inches by 27.*

Preliminary Chart of the ASSAM VALLEY TRIANGULATION. Season 1873-74. *Scale, 4 miles to 1 inch; size, 40 inches by 27.* With 7 pages of letterpress, 4to.

\* \* Extended to the Peaks on the north and south, between  $93^{\circ} 30'$  and  $95^{\circ} E'$ .

*Cherrapoonjee, Sylhet, and Cachar Longitudinal Series.*

Preliminary Chart of the CHERRAPOONJEE and SYLHET SERIES, Great Trigonometrical Survey of India. Seasons 1859-60 and 1860-61. *Scale, 4 miles to 1 inch; on 4 sheets; size 68 inches by 56.* Photozineograph. Also a MS. copy of the upper part.

\* \* This chart includes the snowy peaks of the Butan Himalaya.

Preliminary Chart of the CHERRAPOONJEE, SYLHET, and CACHAR SERIES, Great Trigonometrical Survey of India. Season 1861-62. *Scale, 4 miles to 1 inch; size, 28 inches by 41.* Photozineograph.

NORTH-WEST SERIES.

Chart exhibiting the PRINCIPAL and SECONDARY TRIANGULATION of the FIRST SECTION of the NORTH-WEST SERIES emanating from the Dehra Doon Base. Executed under the superintendence of Lieut.-Colonel A. S. Waugh, Engineers, Surveyor-General of India, by Captain J. S. Du Vernet and Sub-Assistants, Great Trigonometrical Survey, during the seasons 1847-48 to 1849-50. *Scale, 4 miles to 1 inch; size, 57 inches by 52.* MS.

Chart of the FIRST SECTION of the NORTH-WEST SERIES, under the superintendence of Lieut.-Colonel A. S. Waugh, Engineers, Surveyor-General of India. 1847 to 1854. *Scale, 4 miles to 1 inch; size, 60 inches by 70.* MS., and also impressions from engraved copper plates.

Skeleton plan of the PRINCIPAL and SECONDARY TRIANGLES, NORTH-WEST SERIES, Great Trigonometrical Survey of India. Season 1850-51. *Sheet No. 1. Scale, 4 miles to 1 inch; size, 27 inches by 40.* MS.

Skeleton plan of MINOR TRIANGULATION dependent on the NORTH-WEST SERIES, Great Trigonometrical Survey of India, extending along the Ravi to Lahore, and thence across the Bari Doab via Amritsir to Bhyrowal. Executed by Mr. Sub-Assistant Hennessey with a 14-inch theodolite. Season 1850-51. *Sheet No. 2. Scale, 4 miles to 1 inch; size, 27 inches by 26.* MS.

Chart continuing the NORTH-WEST SERIES of the GREAT TRIGONOMETRICAL SURVEY of INDIA to its termination at the Chuch Base Line of verification, and to the city of Peshawur. Also the triangulation originating the Great Indus Series as far as Mount Sakesir, near Kalabagh. Executed in season 1851-52. *Scale, 4 miles to 1 inch; size, 47 inches by 51.* MS.

Preliminary Chart of the NORTH-WEST HIMALAYA SERIES. Season 1850-51. *Scale, 4 miles to 1 inch; size, 42 inches by 28.* Photozineograph, 1873.

Preliminary Chart of the NORTH-WEST HIMALAYA SERIES. Season 1851-52. *Scale, 4 miles to 1 inch; on 2 sheets; size 42 inches by 56.* Photozineograph, 1873.

*Hazara Branch Series.*

HAZARA BRANCH SERIES of the GREAT TRIGONOMETRICAL SURVEY of INDIA depending on the North-west Himalaya Series.  
*Scale, 4 miles to 1 inch ; size, 21 inches by 19. MS.*

## THIRD DIVISION.

Calcutta and Kurrachee Great Longitudinal Series.

*Kurrachee Longitudinal Series.—Kurrachee to Sironj.*

Plan of Part I. of the GREAT LONGITUDINAL SERIES, WESTERN SECTION. Executed during the Field Seasons of 1848-49 and 1849-50, under the direction of Captain T. Renney Tailyour, 1st Assistant, Great Trigonometrical Survey, and Captain A. Strange, 2nd Assistant, Great Trigonometrical Survey. *Scale, 4 miles to 1 inch ; size, 30 inches by 51. MS.*

Plan of Part II. of the GREAT LONGITUDINAL SERIES, WESTERN SECTION. Executed during the Field Seasons of 1849-50 and 1850-51, under the direction of Captain A. Strange, 1st Assistant, Great Trigonometrical Survey. *Scale, 4 miles to 1 inch ; size, 30 inches by 51. MS.*

Part I., Preliminary Chart of GREAT LONGITUDINAL SERIES, WESTERN SECTION, Great Trigonometrical Survey of India. Seasons 1848-49 and 1849-50. *Scale, 4 miles to 1 inch ; size, 27½ inches by 49. MS.*

Part II., Preliminary Chart of the GREAT LONGITUDINAL SERIES; WESTERN SECTION, Great Trigonometrical Survey of India. Season 1850-51. *Scale, 4 miles to 1 inch ; size, 31 inches by 49. MS.*

Part III. Preliminary Chart of the GREAT LONGITUDINAL SERIES, WESTERN SECTION, Great Trigonometrical Survey of India. Season 1851-52. *Scale, 4 miles to 1 inch ; size, 30 inches by 49. MS.*

Part IV. Preliminary Chart of the GREAT LONGITUDINAL SERIES, WESTERN SECTION, Great Trigonometrical Survey of India. Season 1852-53. *Scale, 4 miles to 1 inch ; size, 36 inches by 48. MS.*

*Calcutta Longitudinal Series.—Calcutta to Sironj.*

Plan of the CALCUTTA LONGITUDINAL SERIES of TRIANGLES delineating the geographical features of the country through which it has been extended (Calcutta to Sironj). In three sheets. Constructed from various materials in the office of the Surveyor-General of India, to accompany the 8th vol. 1st part of the General Report of the Great Trigonometrical Survey of India. *Scale, 4 miles to 1 inch ; on 3 large sheets (parts) ; size, 50 inches by 180. MS.*

Skeleton Plan of a LONGITUDINAL SERIES of TRIANGLES for connecting FORT WILLIAM with DODAGOONTAH, conducted by Mr. Joseph Olliver. *Scale, 16 miles to 1 inch ; size, 13 inches by 47. MS.*

Skeleton Plan of the TRIANGULATION of a portion of the WEST CALCUTTA LONGITUDINAL SERIES around SAUGOR. (Without title or date.) *Scale, 8 miles to 1 inch ; size, 11 inches by 20. MS.*

Skeleton Plan of the TRIANGULATION of a portion of the WEST CALCUTTA LONGITUDINAL SERIES near HAZAREEBAUGH. (Without title or date). *Scale, 8 miles to 1 inch; size, 20 inches by 29.* MS.

Preliminary Chart of revised portion of the WEST CALCUTTA LONGITUDINAL SERIES. Field Season 1863-64. *Scale, 4 miles to 1 inch; size, 26 inches by 55.* MS.

Preliminary Chart of the CALCUTTA LONGITUDINAL SERIES, Great Trigonometrical Survey of India, comprised between longitude  $80^{\circ}$  and  $84^{\circ} 30'$ . Revised during seasons 1863-64 and 1864-65. *Scale, 4 miles to 1 inch; size, 28 inches by 78.* MS.

No. 1. Preliminary Chart of the REVISED CALCUTTA LONGITUDINAL SERIES, Great Trigonometrical Survey of India. *Scale, 4 miles to 1 inch; on 2 sheets; size, 24 inches by 52.* Photozincograph.

No. 2. Preliminary Chart of the REVISED CALCUTTA LONGITUDINAL SERIES, Great Trigonometrical Survey of India. *Scale, 4 miles to 1 inch; on 2 sheets; size, 28 inches by 41.* Photozincograph.

No. 3. Preliminary Chart of the REVISED CALCUTTA LONGITUDINAL SERIES, Great Trigonometrical Survey of India. *Scale, 4 miles to 1 inch; size, 21 inches by 28.* Photozincograph.

No. 4. Preliminary Chart of the REVISED CALCUTTA LONGITUDINAL SERIES, Great Trigonometrical Survey of India. *Scale, 4 miles to 1 inch; on 2 sheets; size, 28 inches by 51.* Photozincograph.

Preliminary Chart of the REVISED CALCUTTA LONGITUDINAL SERIES. Seasons 1867-68 and 1868-69. *Scale, 4 miles to 1 inch; size, 28 inches by 40.* Photozincograph.

*East Calcutta Longitudinal Series.—Calcutta to the Eastern Frontier.*

Preliminary Chart of the EAST CALCUTTA LONGITUDINAL SERIES. Seasons 1862 to 1866. *Scale, 4 miles to 1 inch; size, 23 inches by 41.* Photozincograph.

Preliminary Chart of the EAST CALCUTTA LONGITUDINAL SERIES, Great Trigonometrical Survey of India. Season 1866-67. *Scale, 4 miles to 1 inch; size, 23 inches by 23.* Photozincograph.

#### FOURTH DIVISION.

Primary Meridional Series and Secondary Triangles.—North-east Division.

#### 1. PRIMARY TRIANGULATION.—MERIDIONAL SERIES, NORTH-EAST DIVISION.

*Eastern Frontier Meridional Series.*

Preliminary Chart of the EASTERN FRONTIER SERIES, Great Trigonometrical Survey of India. Season 1862-63. *Scale, 4 miles to 1 inch; size, 23 inches by 28.* MS. and photozincograph.



Preliminary Chart of the EASTERN FRONTIER SERIES,  
Great Trigonometrical Survey of India. Season 1863-64. *Scale, 4 miles to 1 inch ; size, 23 inches by 21.* MS. and photozincograph.

Preliminary Chart of the EASTERN FRONTIER SERIES,  
Great Trigonometrical Survey of India. Season 1864-65. *Scale, 4 miles to 1 inch ; size, 36 inches by 25.* MS. and photozincograph.

Preliminary Chart of the EASTERN FRONTIER SERIES,  
Great Trigonometrical Survey of India. Season 1865-66. *Scale, 4 miles to 1 inch ; size, 41 inches by 28.* Photozincograph.

Preliminary Chart of the EASTERN FRONTIER SERIES,  
Great Trigonometrical Survey of India. Season 1866-67. *Scale, 4 miles to 1 inch ; on 2 sheets ; size, 54 inches by 37.* Photozincograph.

Preliminary Chart of the EASTERN FRONTIER SERIES,  
Great Trigonometrical Survey of India. Season 1867-68. *Scale, 4 miles to 1 inch ; size, 28 inches by 35.* Photozincograph.

Preliminary Chart of the EASTERN FRONTIER SERIES.  
Season 1868-69. *Scale, 4 miles to 1 inch ; size, 28 inches by 33.* Photozincograph.

Preliminary Chart of the EASTERN FRONTIER SERIES.  
Season 1873-74. *Scale, 4 miles to 1 inch ; size, 25 inches by 27.* Photozincograph.

Preliminary Chart of the EASTERN FRONTIER SERIES.  
Season 1874-75. *Scale, 4 miles to 1 inch ; size, 40 inches by 27.* Photozincograph.  
\* \* Includes Pegu.

### *Brahmaputra Meridional Series.*

Preliminary Chart of the BRAHMAPUTRA SERIES. Season 1868-69. *Scale, 4 miles to 1 inch ; size, 26 inches by 33.* Photozincograph.

Preliminary Chart of the BRAHMAPUTRA SERIES. Season 1869-70. *Scale, 4 miles to 1 inch ; size 26 inches by 32.* Photozincograph.  
\* \* See Brahmaputra River Survey for Capt. Wilcox's Triangulation.

Preliminary Chart of the BRAHMAPUTRA SERIES. Season 1872-73. *Scale, 4 miles to 1 inch ; size, 28 inches by 42.* Photozincograph.

Preliminary Chart of the BRAHMAPUTRA SERIES. Season 1873-74. *Scale, 4 miles to 1 inch ; size, 28 inches by 42.* Photozincograph.

### *Calcutta Meridional Series.*

Skeleton Plan of the TRIANGULATION of the CALCUTTA MERIDIONAL SERIES, carried on under the orders of Lieut.-Col. A. S. Waugh, Surveyor-General of India, by John Peyton, Esq., Civil Chief Assistant, Great Trigonometrical Survey of India. Seasons 1844-45 to 1847-48. *Scale, 4 miles to 1 inch ; size, 93 inches by 24.* MS.

Chart of the RIVER HOOGLY from Calcutta to Kaskali, being a branch of the Calcutta Meridional Series of the Great Trigonometrical Survey of India. Surveyed by Mr. J. O. Nicolson, Senior Sub-assistant, under the orders of Lieut.-Col. A. S. Waugh, Surveyor-General of India. 1846-47. *Scale, 1 mile to 1 inch ; size, 62 inches by 37.* MS.

*North Malancha Meridional Series.*

Chart of the NORTH MALUNCHÀ MERIDIONAL SERIES, Great Trigonometrical Survey of India. Executed in the years 1844 to 1846. *Scale, 4 miles to 1 inch ; size, 54 inches by 26. MS.*

*North Pareshnath Meridional Series.*

Preliminary Chart of the NORTH PARASNATH MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1850-51-52. *Scale, 4 miles to 1 inch ; size, 50 inches by 26. MS.*

*Chendwar Meridional Series.*

Plan of the TRIANGULATION of the CHENDWAR MERIDIONAL SERIES, carried on under the superintendence of Lieut.-Col. A. S. Waugh, Surveyor-General of India, by George Logan, Esq., First Assistant, Great Trigonometrical Survey, from January 1844 to April 1846. *Scale, 4 miles to 1 inch ; size, 59 inches by 23. MS.*

Plan of PRINCIPAL and SECONDARY TRIANGLES, Chendwar Meridional Series, Great Trigonometrical Survey of India. Executed during the season 1846-47. *Scale, 4 miles to 1 inch ; size, 32 inches by 25. MS.*

Plan of the TRIANGULATION of the GUNDUCK RIVER from Rutwal to its junction with the Ganges, being a portion of the minor operations of the Chendwar Meridional Series. Executed by Messrs. H. Kulan and J. H. Rossenrode, Sub-assistants, Great Trigonometrical Survey of India, during the months of April, May, and June 1847. *Scale, 4 miles to 1 inch ; size, 32 inches by 26. MS.*

Chart of the CHENDWAR MERIDIONAL SERIES, Great Trigonometrical Survey of India. Executed in the years 1844 to 1846. *Scale, 4 miles to 1 inch ; size, 58 inches by 38. MS.*

*Hurilaong Meridional Series.*

Preliminary Chart of the HURILAONG MERIDIONAL SERIES, Great Trigonometrical Survey of India. Seasons 1848-49-50-51-52. *Scale, 4 miles to 1 inch ; size, 61 inches by 29. MS.*

*Gora Meridional Series.*

Skeleton Plan of the TRIANGULATION of the GORA MERIDIONAL SERIES, carried on under the orders of Lieut.-Col. A. S. Waugh, Surveyor-General of India, by Lieut. P. Garforth, Engineers, Second Assistant, and Sub-assistants of the Great Trigonometrical Survey under his direction. Executed in the seasons 1845-46-47. *Scale, 4 miles to 1 inch ; size, 68 inches by 23. MS.*

Preliminary Chart of the GORA MERIDIONAL SERIES. Seasons 1845-47. *Scale, 4 miles to 1 inch ; on 2 sheets ; size, 84 inches by 28. Photozincograph, 1873.*

*Gurwani Meridional Series.*

Plan of the TRIANGULATION of the GURWANI MERIDIONAL SERIES, carried on under the superintendence of Lieut.-Col. A. S. Waugh, Engineers, Surveyor-General of India, by Capt. J. S. Du Vernet, First Assistant, Great Trigonometrical Survey, including the route surveys dependent on that triangulation. 1845 to 1847. *Scale, 4 miles to 1 inch ; size, 74 inches by 27. MS.*

Sketch of the **PRINCIPAL and SECONDARY TRIANGULATION, GURWANI MERIDIONAL SERIES.** Great Trigonometrical Survey. Executed by Capt. J. S. Du Vernet, First Assistant, Great Trigonometrical Survey, during the season 1846-47. *Scale, 4 miles to 1 inch ; size, 37 inches by 15.* MS.

*Karara Meridional Series.*

**TOPOGRAPHICAL PLAN.** Compiled from route surveys carried on by Captain J. S. Du Vernet, 1st Assistant, Great Trigonometrical Survey, and the Sub-assistants under his orders, for the selection of the principal stations of the Karara Meridional Series, Great Trigonometrical Survey of India, in the season 1844-45. *Scale, 4 miles to 1 inch ; size, 37 inches by 22.* MS.

**Plan of the TRIANGULATION of the KARARA MERIDIONAL SERIES,** carried on under the orders of Lieut.-Colonel G. Everest, late Surveyor-General of India ; and completed under the orders of his successor, Captain A. S. Waugh, by Captain R. Shortrede, late 1st Assistant, Great Trigonometrical Survey, Captain J. S. Du Vernet, 1st Assistant, Great Trigonometrical Survey, and Mr. J. W. Armstrong, 2nd Principal Sub-assistant, Great Trigonometrical Survey, 1841 to 1845. *Scale, 4 miles to 1 inch ; size, 71 inches by 23.* MS.

\* \* See also Second Division, Amua and Karara Connecting Series, pages 35, 36.

*Amua Meridional Series.*

**TOPOGRAPHICAL PLAN.** Compiled from route surveys carried on by Captain T. Renny, Engineers, 1st Assistant, Great Trigonometrical Survey, and the sub-assistants under his orders, for the selection of the principal stations of the Amua Meridional Series, Great Trigonometrical Survey of India, in the years 1833 to 1836. *Scale, 4 miles to 1 inch ; size, 57 inches by 20.* MS.

**TOPOGRAPHICAL PLAN of the AMUA MERIDIONAL SERIES,** Great Trigonometrical Survey, during the season 1833-34. *Scale, 8 miles to 1 inch ; size, 15 inches by 9.* MS.

**TOPOGRAPHICAL PLAN.** Compiled from route surveys of 1834-35 and 1835-36, and corrected by the approximate triangles of the Amua Meridional Series, Great Trigonometrical Survey. Season 1835-36. *Scale, 8 miles to 1 inch ; size, 23 inches by 9.* MS.

**TOPOGRAPHICAL PLAN.** Compiled from route surveys for the determination of triangles for the Amua Meridional Series, Great Trigonometrical Survey. Season 1835-36. *Scale, 8 miles to 1 inch ; size, 24 inches by 9.* MS.

**Plan of the TRIANGULATION of the AMUA MERIDIONAL SERIES,** carried on under the orders of Lieut.-Colonel Everest, Surveyor-General of India, by Lieut. T. Renny, 1st Assistant, Great Trigonometrical Survey, and the Sub-assistants of the Great Trigonometrical Survey under his direction. *Scale, 4 miles to 1 inch ; size, 97 inches by 22.* MS.

**Plan of the TRIGONOMETRICAL OPERATIONS on the SUBORDINATE MERIDIONAL SERIES of AMUA.** Conducted by Lieut. T. Renny, 1st Assistant, Great Trigonometrical Survey, and the sub-assistants under his orders, under instructions from Lieut.-Colonel G. Everest, Surveyor-General of India. *Scale, 4 miles to 1 inch ; size, 98 inches by 23.* MS.

**Preliminary Chart of the AMUA MERIDIONAL SERIES.** Seasons 1833-39. *Scale, 4 miles to 1 inch ; on 2 sheets ; size, 84 inches by 28.* Photozincograph, 1873.

*Rangir Meridional Series.*

Plan of the TRIANGULATION of the RANGIR MERIDIONAL SERIES, carried on under the orders of Lieut.-Colonel G. Everest, Surveyor-General of India, by Captain A. S. Waugh, Astronomical Assistant, and the sub-assistants of the Great Trigonometrical Survey under his direction. *Scale, 4 miles to 1 inch ; size, 119 inches by 29. MS.*

Map of ROUTE SURVEYS. RANGHER MERIDIONAL SERIES. Season 1835-36. *Scale, 4 miles to 1 inch ; size, 42 inches by 15. MS.*

Skeleton Plan of APPROXIMATE TRIANGLES of the RANGHER MERIDIONAL SERIES during the season 1835-36. *Scale, 4 miles to 1 inch ; size, 21 inches by 11. MS.*

Skeleton Plan of the RANGHER MERIDIONAL SERIES, Great Trigonometrical Survey. *Scale, 8 miles to 1 inch ; size, 42 inches by 13. MS.*

Skeleton Plan of the TRIANGLES of the RANGHER MERIDIONAL SERIES, Great Trigonometrical Survey. *Scale, 8 miles to 1 inch ; size, 25 inches by 11. MS.*

Plan of the RANGHER MERIDIONAL SERIES. *Scale, 8 miles to 1 inch ; size, 25 inches by 14. MS.*

Preliminary Chart of the RANGIR MERIDIONAL SERIES. Sheet No. 1. Seasons 1833-34 and 1836-37. *Scale, 4 miles to 1 inch ; size, 28 inches by 42. Photozincograph.*

Preliminary Chart of the RANGIR MERIDIONAL SERIES. Sheet No. 2. Seasons 1836-41. *Scale, 4 miles to 1 inch ; size, 28 inches by 42. Photozincograph.*

Preliminary Chart of the RANGIR MERIDIONAL SERIES. Seasons 1837-38, 1838-39, 1840-41. Sheet 3. *Scale, 4 miles to 1 inch ; size, 42 inches by 28. Photozincograph, 1874.*

*Budaun Meridional Series.*

Plan of the TRIANGULATION of the BUDHON MERIDIONAL SERIES, conducted under the orders of Lieut.-Colonel Everest, Surveyor-General of India; commenced by Lieut. MacDonald, of the 69th Native Infantry, in the year 1833, and terminated by Lieut. Renny, of the Bengal Engineers, in 1843. *Scale, 4 miles to 1 inch ; size, 107 inches by 23. MS.*

Plan of TRIANGLES, deduced from ROUTE SURVEYS. *Scale, 8 miles to 1 inch ; size, 26 inches by 9. MS.*

Skeleton Plan of TRIANGULATION. NORTH of BOODHON, H. S. Without title. *Scale, 8 miles to 1 inch ; size, 24 inches by 9. MS.*

Preliminary Chart of the BUDHON MERIDIONAL SERIES. 1832 to 1844. *Scale, 4 miles to 1 inch ; on 4 sheets ; size of each, 42 inches by 28. Photozincograph, 1873.*

## 2. SECONDARY TRIANGULATION.

*Gwalior and Central India Topographical Survey.*

Skeleton Chart, showing the arrangement of the PRINCIPAL SECONDARY and MINOR TRIANGULATION, and of all the intersected points laid down therefrom, which fall within the plane table sections submitted with General Report of Gwalior and Central India Topographical Survey. Seasons 1860-61, 61-62, 62-63. *Scale, 4 miles to 1 inch ; size, 38 inches by 43. MS.*

Chart of TRIANGULATION, showing the principal, secondary, and minor stations of the Gwalior and Central India Topographical Survey. Seasons 1860-61, 61-62, 62-63. *Scale, 4 miles to 1 inch ; size, 39 inches by 50. MS.*

TRIANGULATION CHART of the GWALIOR and CENTRAL INDIA TOPOGRAPHICAL SURVEY, to accompany Degree Sheet No. 3. Seasons 1863 to 1866. *Scale, 4 miles to 1 inch ; size, 22 inches by 20. MS.*

Chart of TRIANGULATION. Bundelcund Topographical Survey. Half-degree sheets XV. and XVI., and parts of XIV. and XVII. 1871. *Scale, 4 miles to 1 inch ; size, 27 inches by 20. Photozineograph.*

*Kumaon and Garhwal Series.*

Preliminary Chart of the KUMAON and GURHWAL SERIES, Great Trigonometrical Survey of India. Seasons 1864-65, 1865-66. *Scale, 4 miles to 1 inch ; size, 28 inches by 42. Photozineograph.*

EASTERN CONTINUATION of the Preliminary Charts of the KUMAON and GURHWAL SERIES, Great Trigonometrical Survey of India. Seasons 1866, '67, '68, '69. *Scale, 4 miles to 1 inch ; size, 28 inches by 40.*

## FIFTH DIVISION.

Primary Meridional Series and Secondary Triangles—North-west Division.

## 1. PRIMARY TRIANGULATION.

*Rahun Meridional Series.*

Chart of the RAHOON MERIDIONAL SERIES, Great Trigonometrical Survey. Season 1852-53. *Scale, 4 miles to 1 inch ; size, 30 inches by 24. Original MS., with a separate list of latitudes and longitudes.*

Preliminary Chart of the RAHUN MERIDIONAL SERIES. Season 1852-53. *Scale, 4 miles to 1 inch ; size, 42 inches by 28. Photozineograph, 1872.*

No. 2. Preliminary Chart of the RAHOON MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1855-56. *Scale, 4 miles to 1 inch ; size, 32 inches by 25. MS.*

Preliminary Chart of the RAHUN MERIDIONAL SERIES. Season 1855-56. *Scale, 4 miles to 1 inch ; size, 42 inches by 28. Photozineograph, 1872.*

No. 3. Preliminary Chart of the RAHOON MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1856-57. *Scale, 4 miles to 1 inch ; size, 29 inches by 25. MS.*

Preliminary Chart of the RAHUN MERIDIONAL SERIES.  
Season 1856-57. *Scale, 4 miles to 1 inch; size, 42 inches by 28.* Photozineograph, 1872.

Preliminary Chart of the RAHOON MERIDIONAL SERIES,  
Great Trigonometrical Survey of India. Season 1860-61. (With Ulwar and Sambhur minor triangulation.) *Scale, 4 miles to 1 inch; size, 39 inches by 42.* MS.

The same Photozineographed in 1869.

Preliminary Chart of the RAHOON MERIDIONAL SERIES,  
Great Trigonometrical Survey of India. Season 1861-62. *Scale, 4 miles to 1 inch; size, 28 inches by 85.* Photozineograph and MS.

Preliminary Chart of the RAHOON MERIDIONAL SERIES,  
Great Trigonometrical Survey of India. Season 1862-63. *Scale, 4 miles to 1 inch; size, 29 inches by 28.* Photozineograph and MS.

### *Gurhagarh Meridional Series.*

Preliminary Chart of the GURHAGARH MERIDIONAL SERIES,  
Great Trigonometrical Survey of India. Seasons 1858-59 and 1859-60. *Scale, 4 miles to 1 inch; size, 43 inches by 22.* MS.

Preliminary Chart of the GURHAGARH MERIDIONAL SERIES.  
Seasons 1858-60. *Scale, 4 miles to 1 inch; size, 42 inches by 28.* Photozineograph, 1871.

Preliminary Chart of the GURHAGARH MERIDIONAL SERIES,  
Great Trigonometrical Survey of India. Season 1860-61. *Scale, 4 miles to 1 inch; size, 39 inches by 26.* MS.

Preliminary Chart of the GURHAGARH MERIDIONAL SERIES  
Season 1860-61. *Scale, 4 miles to 1 inch; size, 42 inches by 28.* Photozineograph 1873.

No. 3. Preliminary Chart of the GURHAGARH MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1861-62. *Scale, 4 miles to 1 inch; on 3 sheets; size, 72 inches by 42.* Photozineograph and MS.

GURHAGARH MERIDIONAL SERIES, Great Trigonometrical Survey of India. Chart of a Reconnaissance made during Field season 1861-62 in Beekaneer and Jodhpoor. *Scale, 4 miles to 1 inch; size, 23 inches by 33.* MS.

### *Jodhpur Meridional Series.*

Preliminary Chart of the JODHPUR MERIDIONAL SERIES.  
Season 1872-73. *Scale, 4 miles to 1 inch; size, 42 inches by 28.* Photozineograph.

Preliminary Chart of the JODHPUR MERIDIONAL SERIES.  
Season 1873-74. *Scale, 4 miles to 1 inch; on 1 sheet; size, 40 inches by 27.* Photozineograph, with letterpress.

Preliminary Chart of the JODHPUR MERIDIONAL SERIES.  
Season 1874-75. *Scale, 4 miles to 1 inch; size, 40 inches by 27.* Photozineograph with letterpress.

### *Kashmir Meridional Series.*

Preliminary Chart of the KASHMIR MERIDIONAL SERIES,  
Great Trigonometrical Survey of India. Season 1855. *Scale, 4 miles to 1 inch; size, 51 inches by 56.* MS.

Preliminary Chart of the KASHMIR MERIDIONAL SERIES,  
Great Trigonometrical Survey of India. Seasons 1855-56. *Scale, 4 miles to 1 inch ; size, 56 inches by 52.* MS.

Preliminary Chart of the KASHMIR MERIDIONAL SERIES,  
Great Trigonometrical Survey of India. Seasons 1861, '62, and '63. *Scale, 4 miles to 1 inch ; size, 70 inches by 58.* MS.

Preliminary Chart of JAMOO, KASHMIR, and THIBET. Triangulated under the superintendence of Lieut.-Colonel Sir Andrew Scott Waugh, Comdt. H.M. Bengal Engineers, F.R.S., F.R.G.S., Honorary Associate Geographical Society of Berlin, and Fellow of Calcutta University, Surveyor-General of India, and Superintendent, Great Trigonometrical Survey. By Captain T. G. Montgomerie, Engineers, F.R.G.S., First Assistant, Great Trigonometrical Survey of India, and the Assistants under his orders. 1855 to 1859. *Scale, 4 miles to 1 inch ; size, 71 inches by 74.* MS.

Sheet No. 1 of the Preliminary Charts of the KASHMIR SERIES,  
containing the Khagan Minor Triangulation. Season 1862-63. *Scale, 4 miles to 1 inch ; size, 42 inches by 28.* Photozincograph, 1872.

Sheet No. 2 of the Preliminary Charts of the KASHMIR SERIES,  
containing also the Jhilam and Punch Minor Triangulation. Season 1856-58. *Scale, 4 miles to 1 inch ; size, 42 inches by 28.* Photozincograph, 1872.

Sheet No. 3 of the Preliminary Charts of the KASHMIR SERIES,  
containing also the Astor Minor Triangulation. Seasons 1857-58 and 1862-63. *Scale, 4 miles to 1 inch ; on 2 sheets ; size, 32 inches by 45.* Photozincograph, 1872.

Sheet No. 4 of the Preliminary Charts of the KASHMIR SERIES,  
containing also the Keshanganga, Punch, Lidar and Sind, Dras and Suru and Wardwan Minor Triangulations, with Secondary Triangulation in the Valley of Kashmir. Seasons 1855-60. *Scale, 4 miles to 1 inch ; on 2 sheets ; size, 31 inches by 46.* Photozincograph, 1872.

Sheet No. 5 of the Preliminary Charts of the KASHMIR SERIES,  
containing also the Basoli, Balor and Pador, Chenab and Toee Triangulation and Secondary Triangulation, based on the N.W. Himalaya series. Seasons 1856, 57, 58. *Scale, 4 miles to 1 inch ; size, 28 inches by 42.* Photozincograph, 1872.

Sheet No. 6 of the Preliminary Charts of the KASHMIR SERIES,  
containing also the Upper Indus and Shayok Minor Triangulation. Seasons 1855-60. *Scale, 4 miles to 1 inch ; size, 42 inches by 28.* Photozincograph, 1872.

Sheet No. 7 of the Preliminary Charts of the KASHMIR SERIES,  
containing also the Baralacha and Zaskar Triangulation. Season 1860-61. *Scale, 4 miles to 1 inch ; size, 42 inches by 28.* Photozincograph, 1872.

Sheet No. 8 of the Preliminary Charts of the KASHMIR SERIES,  
containing the Changehenmo Triangulation. Season 1862. *Scale, 4 miles to 1 inch ; size, 42 inches by 28.* Photozincograph, 1872.

Sheet No. 9 of the Preliminary Charts of the KASHMIR SERIES,  
containing the Upper Indus, Baralacha, and Changehenmo Triangulation. Seasons 1859-62. *Scale, 4 miles to 1 inch ; size, 42 inches by 28.* Photozincograph, 1872.

Sheet No. 10 of the Preliminary Charts of the KASHMIR SERIES, containing the Changchenmo Minor Triangulation. Season 1862. *Scale, 4 miles to 1 inch; size, 42 inches by 28.* Photozincograph, 1872.

Index to the Charts of the KASHMIR SERIES TRIANGULATION, Great Trigonometrical Survey of India. *Scale, 32 miles to 1 inch; size, 14 inches by 21.* Photozincograph, 1872.

*Tillail, Khagan, and Astor Triangulations.*

Preliminary Chart of the TILLAIL, KHAGAN, and ASTOR TRIANGULATIONS, Great Trigonometrical Survey of India. 1861-62. *Scale, 4 miles to 1 inch; size, 39 inches by 53.* MS.

Preliminary Chart of the ASTOR TRIANGULATION, Great Trigonometrical Survey of India. Season 1863. *Scale, 4 miles to 1 inch; size, 31 inches by 23.* MS.

Preliminary Chart of the TILLAIL, KHAGAN, and ASTOR TRIANGULATIONS, Great Trigonometrical Survey of India. Seasons 1861, '62, and '63. *Scale, 4 miles to 1 inch; size, 44 inches by 49.* MS.

*Jogi Tila Meridional Series.*

Preliminary Chart of the JOGI TILA SERIES. Season 1854-55. *Scale, 4 miles to 1 inch; size, 27 inches by 22.* MS.

No. 2: Preliminary Chart of the JOGI TILA MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1855-56. *Scale, 4 miles to 1 inch; size, 32 inches by 24.* MS.

Preliminary Chart of the JOGI TILA MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1856-57. *Scale, 4 miles to 1 inch; size, 27 inches by 23.* MS.

*Sutlej Series.*

Preliminary Chart of the SUTLEJ SERIES, Great Trigonometrical Survey of India. Seasons 1860-61 and 1861-62. *Scale, 4 miles to 1 inch; size, 41 inches by 54.* MS.

SUTLEJ SERIES, Great Trigonometrical Survey of India. Preliminary chart of minor triangulation along the River Chenab. Season 1862-63. *Scale, 4 miles to 1 inch; size, 32 inches by 42.* MS.

\* \* East of Jogi Tila Meridional Series.

Preliminary Chart of the SUTLEJ SERIES, Great Trigonometrical Survey of India. Season 1862-63. *Scale, 4 miles to 1 inch; size, 33 inches by 37.* MS.

\* \* West of Jogi Tila Meridional Series.

Preliminary Chart of the SUTLEJ SERIES. Sheet No. 1, seasons 1860-62; Sheet No. 2, season 1861-62; Sheets No. 3 and 4, season 1862-63. *Scale, 4 miles to 1 inch.* Photozincographs, 1872.



*Great Indus Series.*

No. 7. The revised approximate Plan of the GREAT INDUS SERIES, and of the KHELAT BOUNDARY SURVEY in connection. Executed by Mr. J. W. Rossenrode, in charge of the Surveyed Boundary. Size, 29 inches by 21. MS.

No. 8. The approximate Plan of the GREAT INDUS SERIES and of the KHELAT BOUNDARY in connection. Executed by Mr. J. W. Rossenrode, Surveyor. Size, 29 inches by 21. MS.

Preliminary Chart of GREAT INDUS SERIES, Great Trigonometrical Survey of India. Season 1856-57. Scale, 4 miles to 1 inch; size, 45 inches by 47. MS.

Preliminary Chart of the GREAT INDUS SERIES, Great Trigonometrical Survey of India. Seasons 1857-58 and 1858-59. Scale, 4 miles to 1 inch; size, 46 inches by 39. MS.

Preliminary Chart of the GREAT INDUS SERIES, Great Trigonometrical Survey of India. Season 1859-60. Scale, 4 miles to 1 inch; size, 39 inches by 50. MS.

GREAT TRIGONOMETRICAL SURVEY OF INDIA. Preliminary Chart of the Great Indus Series. 1855 to 1860. Scale, 4 miles to 1 inch. Sheets 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12. Dehra Doon, 1871. Size of each, 28 inches by 40. Photozineographs.

## 2. SECONDARY TRIANGULATION.

*Jhelum, Rawalpindi, &c. Survey.*

Chart of TRIANGULATION, forming the basis of the Survey of Jhelum, Rawal-Pindi, &c. in the Kohistan of the Sind Saugor Doab, executed under the superintendence of Lieut.-Colonel Sir Andrew Scott Waugh, Comdt. I.M. Bengal Engineers, F.R.S. and F.R.G.S., Hon. Associate Geogl. Soc. of Berlin, and Fellow of Calcutta University, Surveyor-General of India, and Superintendent, Great Trigonometrical Survey. By Captain D. G. Robinson, Engineer, F.R.G.S., First Assistant, Surveyor-General's Department, and the Assistants under his orders. Scale, 4 miles to 1 inch; size, 36 inches by 49. MS.

*Ravi and Chenab Rivers:*

MINOR TRIANGULATION from the JOGI TILA MERIDIONAL SERIES along the RAVEE and CHENAB RIVERS. Seasons 1861-63. Scale, 4 miles to 1 inch; on 2 sheets; size, 32 inches by 42. Photozineograph, 1872.

*Rajputana Survey.*

RAJPOOTANA TOPOGRAPHICAL SURVEY. Chart of Triangulation of Degree Sheet V. 1867 to 1871. Scale, 4 miles to 1 inch; size, 22 inches by 20. Photozineograph.

## SIXTH DIVISION.

Primary Meridional and Longitudinal Series and Secondary Triangles, South-eastern Division.

## 1. PRIMARY TRIANGULATION—MERIDIONAL SERIES.

*Madras Coast and South Malancha Series.*

## I. MANUSCRIPT SET.

## 1.

No. 1. Preliminary Chart with NUMERICAL VALUES of the COAST SERIES and SOUTH MALUNCHACHA SERIES, Great Trigonometrical Survey of India. 1846 to 1854. *Scale, 4 miles to 1 inch; size, 40 inches by 44.* MS.

## 2.

No. 2. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1854-55. *Scale, 4 miles to 1 inch; size, 30 inches by 26.* MS.

THE COAST LINE from the Barabalang River to the Chilka Lake. Surveyed between the years 1857 and 1861. *Scale, 4 miles to 1 inch; size, 38 inches by 45.* MS.

## 3.

No. 3. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Seasons 1854, '55, and '56. *Scale, 4 miles to 1 inch; size, 23 inches by 27.* MS.

## 4.

No. 4. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1856-57. *Scale, 4 miles to 1 inch; size, 31 inches by 24.* MS.

## 5.

Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1857-58 and 1858-59. *Scale, 4 miles to 1 inch; size, 26 inches by 38.* MS.

## 6.

Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1859-60. *Scale, 4 miles to 1 inch; size, 24 inches by 37.* MS.

## 7.

Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1860-61. *Scale, 4 miles to 1 inch; size, 26 inches by 39.* MS.

## 8.

Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1861-62. *Scale, 4 miles to 1 inch.*

*Also, on the same sheet :—*

Preliminary Chart of the COAST LINE, MINOR SERIES.  
Season 1861-62. (Continued from No. 7.) *Scale, 2 miles to 1 inch ; size, 29 inches by 50. MS.*

9.

Preliminary Chart of the MADRAS MERIDIONAL (COAST) SERIES, Great Trigonometrical Survey of India. Season 1863-64. *Scale, 4 miles to 1 inch ; size, 39 inches by 26. MS.*

10.

Preliminary Chart of the MADRAS MERIDIONAL SERIES, Great Trigonometrical Survey of India. Season 1864-65. *Scale, 4 miles to 1 inch ; size, 39 inches by 26. MS.*

## II. PHOTOZINCOGRAPHED EDITION.

No. 1. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Seasons 1846 to 1852. *Scale, 4 miles to 1 inch ; size, 41½ inches by 28.*

No. 2. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Seasons 1852, '53, and '54. *Scale, 4 miles to 1 inch ; size, 28 inches by 41½.*

No. 3. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Seasons 1854, '55, and '56. *Scale, 4 miles to 1 inch ; size, 26½ inches by 28.*

No. 4. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1856-57. *Scale, 4 miles to 1 inch ; size, 28 inches by 29.*

No. 5. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Seasons 1857-58 and 1858-59. *Scale, 4 miles to 1 inch ; size, 28 inches by 37.*

No. 6. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1859-60. *Scale, 4 miles to 1 inch ; size, 28 inches by 41½.*

No. 7. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1860-61. *Scale, 4 miles to 1 inch ; size, 28 inches by 41.*

No. 8. Preliminary Chart of the COAST SERIES, Great Trigonometrical Survey of India. Season 1861-62. *Scale, 4 miles to 1 inch ; size, 28 inches by 30.*

No. 9. Preliminary Chart of the MADRAS MERIDIONAL (COAST) SERIES, Great Trigonometrical Survey of India. Seasons 1863-64. *Scale, 4 miles to 1 inch ; size, 41 inches by 28.*

No. 10. Preliminary Chart of the MADRAS MERIDIONAL (COAST) SERIES, Great Trigonometrical Survey of India. Season 1863-64. *Scale, 4 miles to 1 inch ; size, 41 inches by 27½.*

Preliminary Chart of the COAST LINE, MINOR SERIES, Great Trigonometrical Survey of India. Season 1861-62. *Scale, 2 miles to 1 inch ; size, 28 inches by 28. (Continued from the Photozincographed Coast Series, No. 7.)*

Minor Triangulation from the COAST SERIES to MASULIPATAM and POINT DIVY LIGHTHOUSE. Seasons 1863-64, and 1865-66. *Scale, 4 miles to 1 inch; size, 28 inches by 28.* Continued from the Photozincographed Coast Series, Nos. 8 and 9.

\* \* The foregoing Series extends from Calcutta to Madras.

### TOPPING'S TRIANGULATION.

A TRIGONOMETRICAL SURVEY of the COAST of MADRAS, the Triangulation including Fort St. George, in Madras, on the North, and the northern shore of Palk Strait and Point Calimere on the South, but the coast line is only inserted between the Strait and Pondicherry. By Michael Topping, about 1790. *Without title. Scale, 2 miles to 1 inch; size, 92 inches by 30.* Two MSS., one of which is signed by the Surveyor.

\* \* The construction of the Chart is explained in a note.

### *South Pareshnath Meridional Series.*

Plan of the TRIANGULATION of the PARASNATH MERIDIONAL SERIES, Southern Section, conducted under the orders of Lieut.-Colonel G. Eyre, late Surveyor-General of India, by Lieut. A. H. E. Boileau, between the years 1835 and 1840; to connect with Lieut. B. Buxton's Triangulation of Cuttack, executed between 1818 and 1821. *Scale, 4 miles to 1 inch; size, 60 inches by 26.* MS.

### SOUTH PARASNATH MERIDIONAL SERIES:—

No. 1. Sketch of Lieut. Western's Triangulation. 1834.

No. 2. Sketch of Lieut. Boileau's intended Series. 1835-36.

No. 3. Sketch of Lieut. Boileau's principal Series. 1836-37.

No. 4. General Sketch of Lieut. Boileau's principal Angles. 1836 and '37.

*Scale, 8 miles to 1 inch; size of each, 16 inches by 10.* MSS.

Plan of TRIANGLES on the PARASNATH MERIDIAN. *Scale, 8 miles to 1 inch; size, 42 inches by 17.* MS.

### *Bilaspur Meridional Series.*

Preliminary Chart of the BELASPUR MERIDIONAL SERIES.

Season 1869-70. *Scale, 4 miles to 1 inch; on 3 sheets; size, 32 inches by 60.*

With letter-press description of Stations, &c., on 7 pages folio. Photozincograph.

Preliminary Chart of the BELASPUR MERIDIONAL SERIES.

Season 1870-71. *Scale, 4 miles to 1 inch; size, 28 inches by 42.* Photozincograph.

Preliminary Chart of the BILASPUR MERIDIONAL SERIES.

Season, 1871-72. *Scale, 4 miles to 1 inch; size, 28 inches by 42.* Photozincograph.

Preliminary Chart of the BILASPUR MERIDIONAL SERIES.

Season 1872-73. *Scale, 4 miles to 1 inch; on 2 sheets.* Photozincograph. With letter-press.

\* \* See also "Beder Longitudinal Series."

### *Jubbulpore Meridional Series.*

1.

Preliminary Chart of the JUBBULPORE MERIDIONAL SERIES,

Great Trigonometrical Survey of India. Season 1864-65. *Scale, 4 miles to 1 inch; on 2 sheets; size, 28 inches by 41.* Photozincograph.

## 2.

Preliminary Chart of the JUBBULPORE MERIDIONAL SERIES,  
Great Trigonometrical Survey of India. Season 1865-66. *Scale, 4 miles to 1 inch ; size, 39 inches by 28.* Photozincograph.

## 3.

Preliminary Chart of the JUBBULPORE MERIDIONAL SERIES.  
Season 1866-67. *Scale, 4 miles to 1 inch ; size, 41 inches by 28.* One copy dated February 1868, and another, with additions, dated October 1869. Photozincograph.

## 4.

Preliminary Chart of the JUBBULPORE MERIDIONAL SERIES.  
Season 1867-68. *Scale, 4 miles to 1 inch.* Route Surveys and minor triangulation. Field Season 1868-69. *On 2 sheets ; size, 44 inches by 28.* Photozincograph.

## 2. PRIMARY TRIANGULATION.—LONGITUDINAL SERIES.

### *Kolhan and Sambalpur Longitudinal Series.*

(Chota Nagpore Divisional Survey.)

Chart of TRIANGULATION of Part of KOLHAN LONGITUDINAL SERIES and SUMBEULPORE and KOLHAN JUNCTION SERIES. Season 1860-61. *Scale, 4 miles to 1 inch.* (Appertaining to No. 4, or Chota Nagpore Topographical Survey.) *Size, 33 inches by 23.* MS.

KOLHAN LONGITUDINAL SERIES extending through the Country of the Kols. District Singhbhoom. S.W. Frontier. Season 1859-60. *Scale, 4 miles to 1 inch ; size, 27 inches by 40.* MS.

Preliminary Chart of the SUMBULPORE BRANCH (Longitudinal) SERIES, emanating from the principal Series, Baniajori to Daiteri of the Coast Series, Great Trigonometrical Survey of India. Season 1856-57. *Scale, 4 miles to 1 inch ; size, 24 inches by 39.* MS.

### *Bidar Longitudinal Series.*

Preliminary Chart of the BEDER LONGITUDINAL SERIES.  
Seasons 1868-69. *Scale, 4 miles to 1 inch ; size, 40 inches by 27.* Photozincograph.

Preliminary Chart of the BEDER LONGITUDINAL SERIES.  
Season 1869-70. *Scale, 4 miles to 1 inch ; size, 28 inches by 29.* Photozincograph.

Preliminary Chart of the BIDER LONGITUDINAL and BILASPUR MERIDIONAL SERIES. Season 1871-72. *Scale, 4 miles to 1 inch ; size, 28 inches by 42.* Photozincograph.

### *Madras Longitudinal Series.*

Preliminary Chart of the MADRAS LONGITUDINAL and GREAT ARC SERIES. Season 1865-68. *Scale, 4 miles to 1 inch ; on 2 sheets ; size, 30 inches by 54.* With letter-press description of stations, &c., 14 pp. folio.

\* \* \* Extending from Arcot to Mysore.

*Ramnad Longitudinal Series.***Preliminary Chart of the RAMNAD LONGITUDINAL SERIES.**

Season 1874-75. *Scale, 4 miles to 1 inch ; size, 40 inches by 27. With letter-press description of stations, &c., 11 pages, folio.*

**3. SECONDARY TRIANGULATION.***Chota Nagpore, &c. Survey.*

**Skeleton Map** containing the Positions of the Principal Points and general construction of Lieut. Smith's Map of a Survey of part of the S.W. Frontier. (Received 1830.) *Scale, 3½ inches to 1 mile ; size, 60 inches by 54. MS.*

**TRIANGULATION Chart of the No. 4 TOPOGRAPHICAL PARTY, CHOTA NAGPORE DIVISION SURVEY.** Season 1861-62. *Scale, 4 miles to 1 inch ; size, 27 inches by 40. MS.*

**TRIANGULATION Chart of the No. 4 TOPOGRAPHICAL PARTY, CHOTA NAGPORE DIVISION SURVEY.** Season 1862-63. *Scale, 4 miles to 1 inch ; size, 33 inches by 26. MS.*

**TRIANGULATION Chart, CHOTA NAGPORE TOPOGRAPHICAL SURVEY.** Seasons 1863, 64, 65. *Scale, 4 miles to 1 inch ; size, 27 inches by 31. MS.*

*Buxton's Triangulation in Cuttack.*

**Plan of the TRIANGLES used in the SURVEY of CUTTACK (town) and its vicinity, A.D. 1818.** B. Buxton, Ensign of Engineers and Surveyor. (No. 1.) *Scale, 4 inches to 1 mile ; size, 29 inches by 33½. MS.*

**TRIANGULATION in Part of CUTTACK by Lieut. B. Buxton.** (No 2, no title or scale.) *Scale, 1 mile to 1 inch ; size, 29 inches by 37. MS.*

**TRIANGULATION in Part of CUTTACK, by Lieut. B. Buxton.** (No. 3, no title or scale.) *Scale, 1 mile to 1 inch ; size, 41 inches by 29. MS.*

*Cuttack, Ganjam, &c. Topographical Survey.*

**Chart of TRIANGULATION executed by Captain G. H. Saxton, Assistant Surveyor-General.** Seasons 1850-51, 52 and 53. *Scale, 4 miles to 1 inch ; on 2 sheets ; size, 39 inches by 52. MS.*

**TRIANGULATION of the Second Order, forming the BASIS of a TOPOGRAPHICAL SURVEY of a portion of the CUTTACK TRIBUTARY MEHALS and S.W. Frontier of Bengal.** 1853-54. *Scale, 4 miles to 1 inch ; size, 18 inches by 28. MS.*

**TRIANGULATION Chart. GANJAM TOPOGRAPHICAL SURVEY.** Season 1854-55. *Scale, 4 miles to 1 inch ; size, 29 inches by 19½. MS.*

**TRIANGULATION of the Second Order, forming the BASIS of a TOPOGRAPHICAL SURVEY of a portion of the TRIBUTARY MEHALS of Cuttack and S.W. Provinces of Bengal.** Season 1855, '56, '57. *Scale, 4 miles to 1 inch ; size, 19 inches by 22. MS.*

No. 1 Party, GANJAM SURVEY. TRIANGULATION in GOOMSOOR, BOAD, SONPUR, and PATNA, executed by Captain G. H. Saxton. Season 1858-59. *Scale, 4 miles to 1 inch ; size, 21 inches by 31. MS.*

No. 2 Party, GANJAM SURVEY. SECONDARY TRIANGULATION, based on the SOUTH PARASNATH MERIDIONAL SERIES, executed by J. O. Nicholson, Assistant Surveyor-General. Season 1858-59. *Scale, 4 miles to 1 inch ; size, 30 inches by 26. MS.*

TRIANGULATION extending through the KHOOND MALS of GOOMSOOR and KIMEDI, by Captain G. H. Saxton, in Season 1859-60. *Scale, 4 miles to 1 inch ; size, 25½ inches by 32. MS.*

TRIANGULATION extending through portions of VIZAGAPATAM, GANJAM, and CUTTACK DISTRICTS, and NAGPUR PROVINCE (Central Provinces). Executed in Seasons 1860-61. *Scale, 4 miles to 1 inch ; size, 39 inches by 23. MS.*

TRIANGULATION through SOUTH-EASTERN part of CHUTTEESGURH DIVISION, CENTRAL PROVINCES. Season 1861-62. *Scale, 4 miles to 1 inch ; size, 26 inches by 19. MS.*

TRIANGULATION within the INDEPENDENT STATES under SUMBULPUR CENTRAL PROVINCES, executed in Season 1862-63. *Scale, 4 miles to 1 inch ; size, 31 inches by 26. MS.*

GANJAM and ORISSA (CUTTACK) TOPOGRAPHICAL SURVEY. Season 1863-64. Chart of Triangulation of portions of Rajpur, Belaspur, &c. *Scale, 4 miles to 1 inch ; size, 37 inches by 25. MS.*

Plan of TRIANGLES carried on through the GANJAM DISTRICT. *Scale, 4 miles to 1 inch ; size, 39 inches by 27. MS.*

Sketch of TRIANGULATION in the GANJAM DISTRICT, between parallels of 18° 50' and 19° 30' and meridians of 83° 30' and 84° 30'. *Scale, 4 miles to 1 inch ; size, 13 inches by 19. No title. MS.*

Plan of TRIANGLES, NORTHERN CIRCAR SURVEY. Chiefly in the Rajahmundry District, by Captain C. Snell. *Scale, 4 miles ; size, 26 inches by 44. MS.*

Plan of TRIANGULATION in part of the foregoing District, including Rajamundry and Ellore. Without title. *Scale, 2 miles to 1 inch ; size, 29 inches by 39. MS.*

### *Nellore Survey.*

Plan of PRINCIPAL and SECONDARY TRIANGLES of the NELLORE DISTRICT SURVEY. Signed S. C. Macpherson, Assistant Surveyor-General. *Scale, 4 miles to 1 inch ; size, 37 inches by 26. MS.* (The title is taken from an endorsement on the back of the plan. The area includes lat. 14° to 16° N., long 79° to 80° 20' E. Gr.).

Plan of TRIANGLES in the PALNAUD DISTRICT (KISTNAH). Executed in the year 1829. *Scale, 4 miles to 1 inch ; size, 14 inches by 20. MS.*

*Central Provinces (Nagpore). Captain A. Stewart's Secondary Triangulation.*

Skeleton plan of TRIANGLES, explanatory of the operations carried on in the Nagpoor territory by Captain A. Stewart in 1822, '23, '24, and by Messrs. F. B. Norris and E. Weston in 1824, '25, '26, '27, '28, '29, '30. *Scale, 8 miles to 1 inch ; size, 39 inches by 26. MS.*

Rough sketch of TRIANGLES proposed to be extended from Col. Lambton's measured base near Ellichpur to Nagpoor, Seetabuldee, by Captain A. Stewart, 16th Regt. M.N.I. *Scale, about 3 miles to 1 inch ; size, 10 inches by 29. MS., marked 2.*

Chain of TRIANGLES Eastward of the BASE LINE near ELLICHPUR, measured by Colonel Lambton; by Captain A. Stewart. *Scale, 2½ miles to 1 inch ; size, 12 inches by 21. MS., marked 3.*

Chain of TRIANGLES proceeding from Colonel Lambton's measured base (at Takalkhera) near Ellichpur of 37,914 feet to one of verification measured near Nagpoor of 22,080 feet. By Captain A. Stewart, M.N.I. Revised and calculated by Mr. F. B. Norris. *Scale, 4 miles to 1 inch ; size, 8 inches by 39. MS., marked A.*

Plan of TRIANGULATION from SEETABULDEE (NAGPOOR), Eastward. No title. *Scale, 4 miles to 1 inch ; size, 19 inches by 23. MS., marked a.*

Plan of TRIANGULATION, partly repeating the Northern portion of the foregoing. Without title. *Size, 12 inches by 18. MS., marked a'.*

Plan of TRIANGULATION East of NAGPORE, in continuation of the foregoing. Without title. *Size, 14 inches by 13. MS., marked a''.*

\* \* Both sides of the paper are occupied. The work on one side is not quite continuous on the other.

Plan of TRIANGULATION Eastward of NAGPORE, repeating part of the foregoing. Without title. *Size, 7 inches by 10. MS., on both sides of paper, marked a'''.*

Plan of TRIANGULATION from SEETABULDEE (NAGPORE), Southward. No title. *Scale, 4 miles to 1 inch ; size, 25 inches by 31. MS., marked d'.*

TRIANGLES South-west of SEETABULDEE, by Captain A. S. Stewart, 16th M.N.I. 1822 to 1823. *Scale, 8 miles to 1 inch ; size, 12 inches by 18. MS. (Included in the foregoing MS. marked d'.)*

Plan of TRIANGLES from SEETABULDEE (NAGPORE), South-eastward, including part of the foregoing. No title. *Scale, 4 miles to 1 inch ; size, 18 inches by 27. MS., marked D.*

Plan of TRIANGLES, including part of the foregoing. No title. *Scale, 4 miles to 1 inch ; size, 16 inches by 13. MS.*

Plan of TRIANGLES filling up the South-eastern corner of the plan Southward from Seetabuldee before mentioned. No title. *Scale, 4 miles to 1 inch ; size, 16 inches by 14. MS.*



Skeleton Map showing the TRIANGLES Northward of SEETABULDEE. *Scale, 4 miles to 1 inch ; size, 19 inches by 40. MS.*

Sketch of TRIANGULATION from South-west to North-east of SEETABULDEE (NAGPORE) with Hills. By Captain Stewart. *Scale, 2 miles to 1 inch ; size, 18 inches by 37. MS.*

Plan of TRIANGLES on the North of SEETABULDEE (NAGPORE) about Chindwara. *Scale, 4 miles to 1 inch ; size, 10 inches by 16. MS.*

Sketch Map of TRIANGLES between the GODAVERY and PRANHEETA RIVERS, including Col. Lambton's points, Kistnapet and Bopalputnum, marked E. No title. *Scale, 4 miles to 1 inch ; size, 12 inches by 25. MS.*

A copy of the foregoing extended North and South. *Scale, 4 miles to 1 inch ; size, 23 inches by 19. MS.*

Sketch of TRIANGLES extending Northward from the foregoing. *Scale, 4 miles to 1 inch ; size, 17 inches by 22. MS.*

Map of a SURVEY of the TRACT of COUNTRY between the GODAVERY and PRANHEETA RIVERS, connecting Colonel Lambton's stations of Kistnapett, Ramgur, Pertaubgurh, and Bopalputnum, by a route survey with Chandah, and Chandah with Seetabuldee, by a net of triangles. By Captain A. Stewart, late Superintendent Nagpore Survey, 1824. *Scale, 8 miles to 1 inch ; size, 24 inches by 15. MS.*

## SEVENTH DIVISION.

Secondary Triangles, Hyderabad Survey—Central Division.

### *Hyderabad Triangulation.*

Skeleton plan of PRINCIPAL and SECONDARY TRIANGULATION, No. 2 Topographical Party, Hyderabad Survey. Based upon the following principal sides of the Great Arc Series : Wirur to Ihjkera, Dhar to Ashti, Dhar to Nilgarh. Seasons 1855-56, '56-57, '57-58, '59-60. *Scale, 8 miles to 1 inch ; size, 28 inches by 26. MS.*

Chart of the TRIANGULATION of No. 2 Topographical Party, Hyderabad Survey. Season 1861-62. *Scale, 4 miles to 1 inch ; size, 26 inches by 36. MS.*

Chart of the TRIANGULATION of No. 2 Topographical Party, Hyderabad Survey. Season 1862-63. *Scale, 8 miles to 1 inch ; size, 23 inches by 29. MS.*

Chart of the TRIANGULATION of No. 2 Topographical Party, Hyderabad Survey. Season 1863-64. Two distinct surveys, on 2 sheets. *Scale of each, 4 miles to 1 inch ; size of each, 23 inches by 24. MSS.*

Chart of the TRIANGULATION of No. 2 Topographical Party, Hyderabad Survey. Season 1865-66. *Scale, 4 miles to 1 inch ; size, 17 inches by 19. MS.*

**Sketch of PRINCIPAL TRIANGLES** extending over the tract comprehended between the KISTNA and GODAVERY RIVERS. By Lieut.-Colonel Lambton and Captain Everest. To which is added a series of triangles on the Western Frontier of the Nizam's Dominions, by Captain Garling. *Scale, 8 miles to 1 inch ; size, 37 inches by 50. MS.*

**Plan of TRIANGLES** carried on between the months of June and September 1819 (between Kurnool and Nirmul and eastward of Hyderabad), in the dominions of His Highness the Nizam. By Captain G. Everest. *Scale, 8 miles to 1 inch ; size, 33 inches by 26. MS.*

**Sketch of the PRINCIPAL TRIANGLES** extending over that part of the NIZAM'S DOMINIONS lying to the eastward of (the road between) Nirmul and Kurunool. *Scale, 8 miles to 1 inch : size, 33 inches by 25. MS.*

**BASSIM.** Plan of TRIANGLES of the BASSIM CIRCAR. Completed under the superintendence of Major H. Morland in the year 1846. *Scale, 4 miles to 1 inch ; size, 22 inches by 28. MS.*

**BEDER.** Plan of TRIANGLES in the BEDER CIRCAR. Executed in 1832, under the superintendence of Lieut. S. C. Macpherson. *Scale, 4 miles to 1 inch ; size, 17 inches by 24. MS.*

**BEDER.** Preliminary Chart of the BEDER LONGITUDINAL SERIES. Seasons 1868-69. *Scale, 4 miles to 1 inch ; size, 28 inches by 40. Photozincograph.*

**BHONAGHEER, part of.** Plan of TRIANGLES on which depends the Survey of 1827 and 1828. *Scale, 4 miles to 1 inch ; size, 21 inches by 34. MS.*

**BHEER and DAROOR.** Plan of SECONDARY TRIANGLES extending over the DAROOR and BHEER CIRCARS. Executed in 1836. *Scale, 4 miles to 1 inch ; size, 23 inches by 27. MS.*

\* \* See also Purrainda and Bheer.

**DOWLUTABAD.** Plan of TRIANGLES of the Dowlutabad Circar. Executed under the superintendence of Major H. Morland, in the year 1847. *Scale, 4 miles to 1 inch ; size, 21 inches by 24. MS.*

**EILGUNDEL and MULLANGOOR.** Sketch of PRINCIPAL and SECONDARY TRIANGLES extending over Eilgundel and Mullangoor Circars. Surveyed in the year 1834. *Scale, 4 miles to 1 inch ; size, 25 inches by 27. MS.*

**JAULNAH and PYTON.** Plan of TRIANGLES executed under the superintendence of Captain H. Morland in the years 1842 and 1843. *Scale, 4 miles to 1 inch ; size, 23 inches by 33. MS.*

**KOWLASS.** Plan of TRIANGLES in the Kowlass Circar. Executed in 1832 under the superintendence of Lieut. S. C. Macpherson. *Scale, 4 miles to 1 inch ; size, 18 inches by 22. MS.*

**KULBURGAH, KULLIANNEE, and NULDROOG.** Plan of the TRIANGLES extending over the Circars of Kulliannee, Nuldroog, and Kulburgah, by Sub-assistant Surveyors A. Chamaret and R. Long. *Scale, 4 miles to 1 inch ; size, 22 inches by 29. MS.*

**KUMMUMMETT.** Plan of SECONDARY TRIANGLES extending over a portion of the Kummummett Circar. Executed in the year 1837. *Scale, 4 miles to 1 inch; size, 25 inches by 26.* MS.

**MAIKER.** Plan of TRIANGLES of the Maiker Circar. Executed in the years 1843 and 1844. *Scale, 4 miles to 1 inch; size, 23 inches by 28.* MS.

**MEDDUCK.** Plan of Trigonometrical points by which the Medduck Circar Survey was executed under the superintendence of Lieut. H. Morland, in 1829 and 1830. *Scale, 4 miles to 1 inch; size, 18 inches by 24.* MS.

**MULLANGOOR.** See EILGUNDEL.

**NANDAIR.** Plan of TRIANGLES of the Nandair Circar. North of the Godavery River. *Scale, 4 miles to 1 inch; size, 22 inches by 39.* MS.

Plan of TRIANGLES of the NANDAIR CIRCAR. South of the Godavery River. *Scale, 4 miles to 1 inch; size, 26 inches by 38.* MS.

**NULDROOG.** See KULBURGAH.

**PATREE.** Plan of TRIANGLES of the Patree Circar. Executed under the superintendence of Captain H. Morland, in 1841 and 1842. *Scale, 4 miles to 1 inch; size, 19 inches by 29.* MS.

**PURRAINDA and BHEER.** Plan of SECONDARY TRIANGLES extending over the Purrainda and Bheer Circars. Surveyed A.D. 1835. *Scale, 4 miles to 1 inch; size, 35 inches by 23.* MS.  
*See also Bheer and Daroor.*

**PYTON.** See JAULNAH.

**WARUNGUL CIRCAR.** Plan of TRIANGLES executed in the years 1830 and 1831 by Lieut. H. Morland. *Scale, 4 miles to 1 inch; size, 20 inches by 29 inches.* MS.

## EIGHTH DIVISION.

Primary and Secondary Triangulation, South-west Division.

*Indus Delta, Cutch, Kattywar, &c.*

**Preliminary Chart of the ABOO MERIDIONAL SERIES,** Great Trigonometrical Survey of India. *Scale, 4 miles to 1 inch; on 8 sheets; size of each, 42 inches by 27.* MS.

This is actually a Chart of Primary and Secondary Triangulation in Kattywar and Cutch, with part of Sind on the west, and part of Guzerat on the east. The Primary Triangulation includes the Guzerat Longitudinal and the Kattywar Longitudinal Series; also the Nawanaggar Meridional, the Kattywar Meridional, and the Abu Meridional; together with Secondary Series around the coasts, &c. The outlines of the coast and part of the Indus Delta, also the lower course of the Sabarmati river, are delineated.

*Bombay Presidency.*

**Preliminary Charts of TRIANGULATION in the NORTHERN PORTIONS of the BOMBAY PRESIDENCY.** *Scale, 4 miles to 1 inch ; size, 33 inches by 25.* Photozineographs.

No. 1. Season 1857-58. Western part of Guzerat Longitudinal. Tatta, on the Indus.

No. 2. Seasons 1856-57 and 1857-58. Western part of Guzerat Longitudinal. Lukput in Cutch.

No. 3. Seasons 1853-54, 1855-56, and 1856-57. Eastern Cutch.

No. 4. Seasons 1850-51, 1851-52, and 1861-62. Aboo Meridional and Oodypoor Meridional.

No. 5. Seasons 1854-57, 1858-59, and 1859-60. Cutch and North Kattywar Secondary Triangulation.

No. 6. Seasons 1852-57, 1859-61, and 1863-64, with letter-press on 12 pages, folio. Kattywar.

No. 7. Seasons 1851-54 and 1860-63, with letter-press on 7 pages folio. Guzerat Longitudinal.

No. 8. Seasons 1853-55 and 1858-59.

No. 9. Seasons 1852-55, 1859-61, and 1863-64.

No. 10. Seasons 1860-61 and 1862-63. Singi Meridional and Aboo Meridional.

**Index to the Charts of NORTHERN PORTION of the BOMBAY PRESIDENCY.** *Scale, 32 miles to 1 inch ; size, 14 inches by 21.*

**Preliminary Chart of the OODYPOOR and SINGI MERIDIONAL, and GUZERAT and MALWA LONGITUDINAL SERIES, Great Trigonometrical Survey of India.** Seasons 1860-61 and 1861-62. *Scale, 4 miles to 1 inch ; size, 69 inches by 47.* MS.

**Preliminary Chart of the GUZERAT COAST, MINOR SERIES, Great Trigonometrical Survey of India.** Season 1862-63. *Scale, 4 miles to 1 inch ; size, 40 inches by 27.* MS.

**Plan of the TRIANGULATION of the BOMBAY TRIGONOMETRICAL SURVEY** from its commencement up to June 1834. *Scale, 8 miles to 1 inch ; size, 34 inches by 29.* MS.

**Sketch of the TRIANGULATION of the BOMBAY LONGITUDINAL SERIES, Great Trigonometrical Survey of India, carried on during the season 1837-38.** *Scale, 8 miles to 1 inch ; size, 17 inches by 22.* MS.

**Chart of PRINCIPAL and SECONDARY TRIANGLES in the BOMBAY LONGITUDINAL SERIES, Great Trigonometrical Survey of India.** *Scale, 8 miles to 1 inch ; size, 15 inches by 29½.* MS.

\* \* Bombay to Nitali ; distinguishing the portion completed in 1837-38, and the proposed extension from Digbi-Waphgaon to Bombay.

**Plan of the TRIANGULATION of the BOMBAY LONGITUDINAL SERIES, carried on under the orders of Lieut.-Colonel Everest, Surveyor-General of India, chiefly by Lieut. W. S. Jacob, 1st Assistant, Great Trigonometrical Survey, in the years 1822 to 1842.** *Scale, 4 miles to 1 inch ; size, 42 inches by 86.* MS.

\* \* Including Bombay Harbour.

**Preliminary Chart of BOMBAY ISLAND SURVEY.** Season 1865-66. *Scale, 2 inches to 1 mile ; size, 40 inches by 27.* With letter-press, 5 pages, 4to.

Preliminary Chart of portions of the BOMBAY LONGITUDINAL and MANGALORE MERIDIONAL SERIES, Great Trigonometrical Survey of India. Seasons 1862-63 and 1864-65. *Scale, 4 miles to 1 inch ; size, 43 inches by 64.* MS. *The same zincographed in 3 sheets ; size, 36 inches by 64.*

Preliminary Chart of the MANGALORE MERIDIONAL SERIES. Seasons 1865-66 and 1866-67. *Scale, 4 miles to 1 inch ; on 2 sheets ; size, 57 inches by 42.* Photozineograph.

Preliminary Chart of the MANGALORE MERIDIONAL and MADRAS LONGITUDINAL SERIES. Seasons 1871-73. *Scale, 4 miles to 1 inch ; on 2 sheets ; size, 56 inches by 42.* Photozineograph.

Plan of the PRINCIPAL and SECONDARY TRIANGLES of the NORTHERN and SOUTHERN KONKAN SERIES of the Great Trigonometrical Survey of India, carried on in the seasons 1842-43 and 1843-44. *Scale, 8 miles to 1 inch ; size, 58 inches by 21.* MS.

\* \* Including Bombay Harbour.

Plan of the TRIANGULATION of the KONKAN MERIDIONAL SERIES, Southern section, commenced under the superintendence of Lieut.-Colonel G. Everest, late Surveyor General of India ; and completed under the superintendence of his successor Captain A. S. Waugh, by Captain W. S. Jacob, late 1st Assistant, Great Trigonometrical Survey, and Lieut. Harry Rivers, 1st Assistant, Great Trigonometrical Survey. 1822 to 1844. *Scale, 4 miles to 1 inch ; size, 75 inches by 29.* MS.

Preliminary Chart of the SOUTHERN KONKAN MERIDIONAL SERIES. Seasons 1842-44 and 1864-66. *Scale, 4 miles to 1 inch ; on 3 sheets ; size, 42 inches by 84.* Photozineographs, 1871.

### *Madras Presidency, Western Part.*

Map of a series of TRIANGLES forming the basis of the SURVEY of South COIMBATORE. Executed in 1821, '22, and '23. *Scale, 4 miles to 1 inch ; size, 19 inches by 29.* MS.

Chart of a series of SECONDARY TRIANGLES extended over a portion of the PROVINCE of COIMBATORE in 1852. *Scale, 2 miles to 1 inch ; size, 26 inches by 30.* MS.

Preliminary Chart of the MALABAR MINOR SERIES. Season 1873-74. *Scale, 4 miles to 1 inch ; size, 40 inches by 27.* With letter-press, 3 pages, 4to.

Plan showing some of the PRINCIPAL and SECONDARY STATIONS in the WYNAAD TALUQ. *Scale, 2 miles to 1 inch ; size, 19 inches by 22.* MS.

Sketch of a Series of MINOR TRIANGLES extended over the NEILGHERRY and KOONDAH MOUNTAINS. *Scale, 10,000 feet to 1½ inches ; size, 27 inches by 39.* MS.

Plan of TRIANGULATION in the NILGIRI (no title). *Scale, 1 inch to 1 mile ; size, 15 inches by 11.* MS.

### *Coorg.*

A Series of TRIANGLES through CODUGU (COORG). *Scale, 4 miles to 1 inch ; size, 24 inches by 31.* MS.

## III.

## THE TOPOGRAPHICAL SURVEYS OF INDIA.

## PRINTED REPORTS.

General Report on the TOPOGRAPHICAL SURVEY of the BENGAL PRESIDENCY, seasons 1860-61, 1861-62, No. 24A, dated Calcutta, 15th April 1863. Including surveys of Gwalior and Central India, Hyderabad, Ganjam, and Orissa, and Chota Nagpore Division. Folio, on pages 1 to 47, with title and letter from Lieut.-Colonel H. L. Thuillier on two pages, and two Appendices on pages i to xiii. Calcutta, 1863.

General Report on the TOPOGRAPHICAL SURVEYS of the BENGAL PRESIDENCY, for season 1862-63, by Lieut.-Colonel H. L. Thuillier, with title and covering letter on two pages, and map. Folio, on pages 1 to 43. Calcutta, 1864.

General Report on the TOPOGRAPHICAL and REVENUE SURVEY OPERATIONS of the BENGAL PRESIDENCY, for season 1863-64. By Lieut.-Colonel H. L. Thuillier, Surveyor-General of India. Folio, on pages 1 to 64, with title and covering letter on two pages, Appendix on pages 1 to 31, containing Extracts from Narrative and Annual Reports. With it—

General Report on the REVENUE SURVEY OPERATIONS of the LOWER PROVINCES, for season 1863-64, on pages i to lv. Index map to the districts and divisions of India. Calcutta, 1865.

The General Report of the TOPOGRAPHICAL SURVEY for 1864-65 is incorporated with the Report of the Great Trigonometrical Survey for that period. See page 29.

The General Report of the TOPOGRAPHICAL SURVEY for 1865-66 is printed with the Report of the Great Trigonometrical Survey for that period. See page 29.

General Report on the TOPOGRAPHICAL SURVEYS of the BENGAL PRESIDENCY, for season 1866-67, by Colonel H. L. Thuillier, R.A., F.R.G.S., Surveyor-General of India. Folio, on pages 1 to 41, with title and Appendix on pages i to xli, and three index maps—to the Gwalior and Central India Survey; the Chota Nagpore Survey; and the Rewah Survey.

General Report of the TOPOGRAPHICAL SURVEYS of the BENGAL PRESIDENCY, and of the Surveyor-General's offices, for season 1867-68. Folio, on pages 1 to 13 and 1 to 6. With a Report by Captain A. B. Melville, on the photographic and lithographic branches, on pages 1 to 13, and an Appendix on pages i to l, including Extracts from Narrative Reports, and a Report on the Pegu Survey. Calcutta, 1869.

General Report on the TOPOGRAPHICAL SURVEYS of INDIA, and of the Surveyor-General's Department, Head-Quarter Establishment, for season 1868-69, by Colonel H. L. Thuillier, R.A., F.R.S., &c., Surveyor-General of India. Folio, on pages 1 to 62, with Index map of India, showing Topographical and Revenue Survey Operations to 1869. Calcutta, 1870.

General Report on the TOPOGRAPHICAL SURVEYS of INDIA, and of the Surveyor-General's Department, Head-Quarter Establishment, for season 1869-70. By Colonel H. L. Thuillier, R.A., F.R.S., etc., Surveyor-General of India. Folio, on pages 1 to 25, with title, contents, and covering letter on four pages; Appendix containing remarks by executive officers on pages i to xxxi, and seven Index maps. Calcutta, 1871.

General Report on the TOPOGRAPHICAL SURVEYS of INDIA, and of the Surveyor-General's Department, Head-Quarter Establishment, for season 1870-71. By Colonel H. L. Thuillier, R.A., F.R.S., etc., Surveyor-General of India. Folio, on pages 1 to 24, with map, and appendices on pages i to xxxii. Calcutta, 1872.

General Report on the TOPOGRAPHICAL SURVEYS of INDIA, and of the Surveyor-General's Department, for season 1871-72. By Colonel H. L. Thuillier, R.A., F.R.S., &c., Surveyor-General of India. Submitted to the Government of India, Department of Agriculture, Revenue, and Commerce. Folio on pages 1 to 25, and appendix on pages i. to liii. Calcutta, 1873.

General Report on the TOPOGRAPHICAL SURVEYS of INDIA, and of the Surveyor-General's Department, for season 1872-73. By Colonel H. L. Thuillier, C.S.I., F.R.S., &c., Surveyor-General of India. Folio, 104 pages. Calcutta, 1874.

General Report on the TOPOGRAPHICAL SURVEYS of INDIA, and of the Surveyor-General's Department, for season 1873-74. By Colonel H. L. Thuillier, C.S.I., F.R.S., &c., Surveyor-General of India. With seven Index maps, and a plan of the photographic rooms at the Roorkee Observatory. Folio, on 69 pages. Calcutta, 1875.

General Report on the TOPOGRAPHICAL SURVEYS of INDIA, and of the Surveyor-General's Department, for season 1874-75. By Colonel H. L. Thuillier, C.S.I., F.R.S., &c., Surveyor-General of India. With descriptions of the 'steppes of Central India, the Vindhia and Satpura Mountains; Bastar; the Naga Hills; the Daphla Hills, with a geological section; and Captain Strahan's Report on the Transit of Venus at Lahore. Folio, on 102 pages. Calcutta, 1876.

" " The drawings, manuscript memoirs, and printed maps in the India Office, derived from the Topographical Surveys, are catalogued hereafter in geographical order, beginning with the Indian Atlas and General Maps and concluding with the Divisions of India.

## IV.

## THE REVENUE SURVEYS OF INDIA.

## PRINTED REPORTS.

Report on the REVENUE SURVEY of the LOWER PROVINCES, from 1st October 1854 to 30th September 1855. Quarto, 12 and xi pages. Calcutta, 1856.

Report on the REVENUE SURVEY OPERATIONS of the LOWER PROVINCES from 1st October 1856 to 30th September 1857. Folio, pages 21 to 43. Calcutta, 1858.

Annual Report of the REVENUE SURVEY OPERATIONS in the NORTH-WEST PROVINCES, the PUNJAB, and SINDH, for season 1856-57. Folio, 57 pages, with a Map of the Punjab and Cis-Sutlej States. Calcutta, 1858.

Annual Report of the REVENUE SURVEY OPERATIONS in the NORTH-WEST PROVINCES, the PUNJAB and SINDH, for season 1857-58. Folio, 86 pages. Calcutta, 1860.

General Report of the REVENUE SURVEY OPERATIONS of the BENGAL PRESIDENCY for seasons 1858-59, 1859-60, and 1860-61. By Lient.-Col. H. L. Thuillier, Surveyor-General of India. Folio, 196 and xii pages and Index. Calcutta, 1863.

With three Maps:—1, Skeleton Index to the Districts and Divisions of India, 1862 (to illustrate the Revenue Surveys); 2, Index to the Indian Atlas, 1859; 3, Skeleton Index to the Districts and Divisions of India, 1862 (exhibiting the present state of the Trigonometrical Operations).

Report on the (REVENUE) SURVEY OPERATIONS of the LOWER PROVINCES from 1st October 1861 to 30th September 1862. Folio, 47 pages. Calcutta, 1863.

Report on the (REVENUE) SURVEY OPERATIONS of the LOWER PROVINCES for season 1863-64, from 1st October 1863 to 30th September 1864. Folio, 22 and lxxvi pages. Calcutta, 1865.

General Report on the REVENUE SURVEYS in the UPPER PROVINCES of the BENGAL PRESIDENCY, for season 1864-65. By Lieut.-Col. J. E. Gastrell, Officiating Deputy Surveyor-General of India. Folio, 34 and xiv pages, with a Map of Purgunnah Mangurb, District Dumoh, Central Provinces, to mark the introduction of Photo-lithography into India. Calcutta, 1866.

Also under the same cover,—

Report on the REVENUE SURVEY OPERATIONS of the LOWER PROVINCES, for season 1864-65. By Lieut.-Col. J. E. Gastrell, Officiating Deputy Surveyor-General, and Superintendent Revenue Surveys. Folio, 23 and xv pages. Calcutta, 1866.

Report on the SURVEY OPERATIONS for season 1865-66, from 1st October 1865 to 30th September 1866. Folio, 10 pages. Calcutta, 1867.



Also under the same cover,—

Report on the SURVEY OPERATIONS of the CENTRAL PROVINCES, for season 1865-66, from 1st October 1865 to 30th September 1866. Folio, 10 and x pages. Calcutta, 1867.

Report on the SURVEY OPERATIONS of the PROVINCE of OUDH, for season 1865-66, from 1st October 1865 to 30th September 1866. Folio, 8 and v pages. Calcutta, 1867.

Report on the SURVEY OPERATIONS of the N. W. PROVINCES, ROHILCUND, for season 1865-66, from 1st October 1865 to 30th September 1866. Folio, 5 and iii pages. Calcutta, 1866.

Report on the SURVEY OPERATIONS of the NORTH-WEST FRONTIERS, PUNJAB, for season 1865-66, from 1st October 1865 to 30th September 1866. Folio, 4 pages. Calcutta, 1867.

Report on the SURVEY OPERATIONS of SINDH, for season 1865-66, from 1st October 1865 to 30th September 1866. Folio, 5 and v pages. Calcutta, 1867.

Report on the REVENUE SURVEY OPERATIONS of the LOWER PROVINCES, from 1st October 1865 to 30th September 1866. Folio, 16 and x pages. Calcutta, 1866.

General Report reviewing the REVENUE SURVEY OPERATIONS of the UPPER CIRCLE, for season 1866-67. Colonel J. E. Gastrell, F.R.G.S., Deputy Surveyor-General and Superintendent of the Revenue Surveys, Upper Circle. Folio, 9 and v pages. Calcutta, 1867.

General Report of the REVENUE SURVEY OPERATIONS of the CENTRAL PROVINCES, for season 1866-67. Colonel J. E. Gastrell, Deputy Surveyor-General and Superintendent of the Revenue Survey, Upper Circle. Folio, 10 and x pages. Calcutta, 1867.

General Report of the REVENUE SURVEY OPERATIONS of the PROVINCE of OUDH, for season 1866-67. Colonel J. E. Gastrell, Deputy Surveyor-General and Superintendent of Revenue Surveys, Upper Circle. Folio, 8 and iv pages. Calcutta, 1867.

General Report of the REVENUE SURVEY OPERATIONS of the N. W. PROVINCES, ROHILCUND, for season 1866-67. Colonel J. E. Gastrell, Deputy Surveyor-General and Superintendent of Revenue Surveys, Upper Circle. Folio, 6 and ii pages. Calcutta, 1867.

General Report of the REVENUE SURVEY OPERATIONS of the N. W. FRONTIER, PUNJAB, for season 1866-67. Colonel Gastrell, F.R.G.S., Deputy Surveyor-General and Superintendent of Revenue Surveys, Upper Circle. Folio, 8 and ii pages. Calcutta, 1867.

General Report of the REVENUE SURVEY OPERATIONS in SIND, for season 1866-67. Colonel J. E. Gastrell, Deputy Surveyor-General and Superintendent of Revenue Surveys, Upper Circle. Folio, 6 pages. Calcutta, 1867.

Report on the REVENUE SURVEY OPERATIONS of LOWER PROVINCES, from 1<sup>st</sup> October 1866 to 30th September 1867. Folio, 13 and xxv pages. Calcutta, 1867.

Report on the REVENUE SURVEY OPERATIONS of the LOWER PROVINCES, from 1st October 1867 to 30th September 1868. Folio, 18, and 16, and lxxii, and 6 pages.

General Report on the REVENUE SURVEY OPERATIONS of the BENGAL PRESIDENCY, UPPER CIRCLE, for season 1868-69. Colonel J. E. Gastrell, F.R.G.S., Superintendent of Revenue Surveys, Upper Circle. Folio, 77 pages. Calcutta, 1870.

Report on the REVENUE SURVEY OPERATIONS of LOWER PROVINCES for season 1868-69. Lieut. D. C. Vanrenen, R.A., Superintendent of Revenue Surveys, Lower Circle. Folio, 19 and xviii pages. Calcutta, 1869.

Report on the REVENUE SURVEY OPERATIONS of the LOWER PROVINCES, from 1st October 1868 to 30th September 1869. Folio, 17, 8, 19, liii, and 6 pages. With a map of Luckimpoor. Calcutta, 1870.

General Report on the REVENUE SURVEY OPERATIONS of the BENGAL PRESIDENCY, UPPER and LOWER CIRCLES, for season 1869-70. Colonel D. C. Vanrenen, R.A., Superintendent of Revenue Surveys, Upper Circle, and Major John Macdonald, Offg. Sup. Rev. Survey, L. C. Folio, 66, 3, 26, and xvi pages. Calcutta, 1871.

General Report on the REVENUE SURVEY OPERATIONS of the UPPER and LOWER PROVINCES in BENGAL (including Boundary Commissioners Report), for season 1870-71. By Colonel D. C. Vanrenen, R.A., Superintendent of Revenue Surveys, Upper Circle, and Major John Macdonald, Offg. Superintendent of Revenue Surveys, Lower Circle, and Offg. Boundary Commissioner, Bengal. Folio, 114 pages. Calcutta, 1872.

General Report on the REVENUE SURVEY OPERATIONS of the UPPER and LOWER CIRCLES (including Boundary Commissioners Report), for season 1871-72. By Colonel James E. Gastrell, Superintendent of the Revenue Surveys, Upper Circle, and Colonel D. C. Vanrenen, R.A., Superintendent of Revenue Surveys, Lower Circle. Folio, 138 pages. Calcutta, 1873.

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ROUTE-BOOK of the WESTERN PARTS of the HIMALAYA, TIBET, and CENTRAL ASIA; and Geographical Glossary from the languages of India and Tibet, including the phonetic transcription and interpretation. By Hermann, Adolphe, and Robert de Schlagintweit.

## VOL. IV.

METEOROLOGY of INDIA, an analysis of the Physical conditions of India, the Himalaya, Western Tibet, and Turkistan, with numerous tables, diagrams, and maps. Based upon observations made by Messrs. de Schlagintweit *en route*, and collected from various stations erected during their magnetic survey, and increased by numerous additions chiefly obtained from the officers of the Medical Department. By Hermann de Schlagintweit-Sakunlunski.

FIRST PART.—Distribution of the Temperature of the Air, and Isothermal lines, with considerations of Climate and Sanitary conditions

## THE ATLAS.

## PART I.

Title. Dedication.

*Panoramas and Views :—*

1. Gaurisankar or Mount Everest, Himalaya Mountains.
2. Summit of Kanehinjinga, Himalaya Mountains.
3. The Satej Valley and Rampur.
4. Lake Tso Mitbal in Pangkong; Lake Tso Gam in Eastern Ladak.
5. Cane Suspension Bridge over the Temshang River in the Khassia Hills.
6. The Drift Sands of the Sindh Sager Duab; Alluvial High Ground of the Sindh Sager Duab.
7. Peaks and Glaciers of the Sasser Pass in Nubra, Tibet.
8. Kunda Range in the Nilgiris, Southern India.
9. Leh, the capital of Ladak, Western Tibet.
10. Chorkonda glacier, Balti, Tibet.

*Maps :—*

1. The routes taken by Hermann, Adolphe, and Robert de Schlagintweit and their assistants and establishments in India and High Asia, from 1854 to 1858.

*Magnetic Survey of India and High Asia, 1854–57.*

1. Isogonic Lines (Lines of Equal Declination), with sketches for the historical data of Secular Change in 1600, 1700, 1800; Isogonic Lines for the Indian Archipelago, by Captain C. M. Elliot, 1845–49; and for the surface of the Earth from General Sabine's map, revised by Capt. Evans. R.N.. 1858.
2. Isoclinical Lines (Lines of Equal Dip), with sketch maps for Secular Change, the Indian Archipelago, and the surface of the Earth.
3. Isodynamic Lines (or Lines of Equal Total Intensity), with sketch maps for Horizontal Intensity in India, &c.; for Total and Horizontal Intensity in the Indian Archipelago; and for Relative Total Intensity for the Surface of the Earth.

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*Panoramas and Views continued:—*

11. Fort and Lines of Udelguri in the Province of Darraug, Assam. Village of Mangeldai in Assam.
12. Interior of the Buddhist temple of the monastery Mangnang in Gnari Khorsum.
13. Salt Lake Kiuk Kiol in the Karakash Valley, Turkistan.
14. Flats of the Hiron Valley from the Barer (Berar) plateau near Kattingi.
15. Palm Grove and Singhalese habitations near Galle, Ceylon.

*Panoramic Profiles of the Snowy Ranges of High Asia, with plans of the geographical positions and hypsometrical diagrams. (See Text, Vol. II.):—*

- I. The Himalaya of Bhutan, Sikkim, and Nepal.
- II. The Himalaya of Kamaou and Garhwal.
- III. The western chains of the Himalaya from Simla to Kashmir.
- IV. The northern slopes of the Himalaya and the Trans-Satlej range.
- V. The ranges of Western Tibet, between the Himalaya and Karakorum.
- VI. Parts of the central chain in Tibet from Pangkong to Ladak.
- VII. The Karakorum with the plateaux in Turkistan and the Kuenluen.

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*Panoramas and Views continued:—*

16. Buddhist monastery Himis near Leh, Ladak.
17. Valley of the Yarkand River, downwards from Dera Bullu in Turkistan.
18. Panorama of the lake and gardens near Srinagar, Kashmir, in two parts; 1, Shalimar gardens, &c.; 2., Fort of Srinagar, &c.
19. The summit of Parasnath in Bihar.
20. Central Assam and the Brahmaputra jungles from Ogri Hill near Tezpur.

*Maps:—*

2. Index map to the routes in the western parts of the Himalaya, Tibet, and Central Asia.
- 3, 4. Fac-simile of a Bhutia map of the commercial route from Lhasa to Assam, via Tavang and Narigan.
- Map of equidistant horizontal contour lines determined in the southern part of the Sikkim Himalaya.

## PART IV.

*Panoramas and Views continued:—*

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22. The Jhils of Bengal, at high water.
23. The Jhilum or Behnt, in the Panjab.
24. The Bias between Amritsar and Jalander, Panjab.
25. The Mahanadi River, in the rainy season, Central Bengal.
26. The Ganges near Patua, Western Bengal.
27. The Salt Lake Tsomoriri, Western Tibet.
28. The Salt Lake Tsomogualari, Western Tibet.
29. The Chain of Kuenluen, from Sumgal in Turkistan.

*Meteorological Maps and Tables; I. Temperature of the Air.*

1. Numerical table of the Mean (monthly) Temperatures for (various places in) India and the Archipelago.
2. The Isothermal Lines of the year for India, &c.
3. The Isothermal Lines of the Seasons.

4. Stations and Isothermal profiles of High Asia. General variation of Temperature, and Chart of the tropical Sanitaria in Southern India.

*Note.*—In the Introductory Report addressed to Sir Charles Wood, Bart., Secretary of State for India (see vol. I. pages 7, 8), it was announced that the Text would form nine volumes, and that the Atlas would contain 80 views and panoramas, and from 20 to 30 maps and profiles. The following are the subjects of the volumes that remain in abeyance, as they are specified in the Report, viz :—

Vol. V. Meteorology and Climate, Part 2.

Vol. VI. Geology.

Vol. VII. Botany and Zoology, particularly with reference to geographical distribution.

Vol. VIII. Ethnography, comparative researches based on measurements, casts, and photographs.

Vol. IX. Geographical aspects of India, the Himalaya, Tibet and Turkistan.

**BUDDHISM in TIBET**, illustrated by literary documents and objects of religious worship, with an account of the Buddhist systems preceding it in India. By Emil Schlagintweit, LL.D. With a folio atlas of, 20 plates, and 20 tables of native print in the text. Leipzig and London, 1863. Thirteen plates in the Atlas are representations of deities, and the remainder are invocations, magical figures, and divination tablets.

## VII.

### THE ARCHÆOLOGICAL SURVEY OF INDIA.

#### *Bengal Presidency.*

Four Reports, made during the years 1862–63–64–65, by Alexander Cunningham, C.S.I., Major-General, Royal Engineers (Bengal retired); Director-General of the Archæological Survey of India; etc.

#### VOL. 1.

Simla, 1871. Octavo, cloth.

*Contents.*—Preface. Introduction.

*Report of 1861–62.*—Gaya. Buddha-Gaya. Bakror. Punawa. Kurkihar or Knkkutapada-giri. Giryek or Indra-sila-guha. Rajgir or Rajagriha. Buragaon or Nalanda. Bihar. Ghoswara. Titarawa. Aphisar. Barabar. Dharawat. Besarli or Vaisali. Kesariya. Lauriya Ara-Naj. Lamiya Navandgarh. Padaraona or Pawa. Kasia or Kusinagara. Khukhundo or Kishkindapara. Kahaon or Kakubharati. Hathiyadali. Bhitar. Banaras Sarnath.

*Report of 1862–63.*—Delhi. Mathura. Khalsi. Madawa or Madipur. Kashipur or Govisana. Ramnagar or Ali-chhatra. Soron or Sarakshetra. Atranjikhara or Pilosana. Sankisa or Sangkasya. Kanoj or Kanyakubja. Kakupur or Ayuto. Daundiakhara or Hayamukha. Allahabad or Prayaga. Kosam or Kosambi. Sultanpur or Kusapura. Dhopapapna. Ajudhya or Saketa. Hatila or Asokpur. Sahet-Mahet or Sravasti. Tanda. Nimsar. Barikhar. Dewal. Parasua-Kot. Bilai-Khera. Kabar.

#### VOL. 2.

*Report of 1863–64.* Simla, 1871. Octavo, cloth.

*Contents.*—ETHNOLOGY. Takas; Megs or Mekei; other tribes. Aryas—Janjubar and Awans; Bhatas; Later Turanians—Gakars; Kathi and Balas; Sobii; Indo-Seythians—Su or Sagaraokæ; Medi or Meds; Zanthii, Jattii, or Jats; Yuehi or Toehari; Little Yuehi or Kator; Ephthalites or White Huns.

4. Memorandum on the Marine Surveys of India, by Commander A. D. Taylor, late I. N. March 1871.
5. Captain Constable's Memorandum on the State of the Coast Survey of India in 1862. Foolscap, 40 pages.

REVIEW of ADMIRALTY CHARTS of BRITISH INDIA, with a Scheme for the Correction of Charts and future Marine Surveys. By Capt. A. D. Taylor. Calcutta, 1870. Foolscap, 25 pages.

GENERAL REPORT of the Operations of the MARINE SURVEY of INDIA, from the commencement in 1874 to the end of the official year 1875-76. Prepared for submission to the Government of India, by Commander A. Dundas Taylor, late I. N., F.R.G.S., Superintendent of Marine Surveys. Calcutta, 1876. Folio, 23 and xv. pages, with an Index Map to the Surveys completed by Officers of the Marine Survey Department.

\* \* \* See pages 547 to 611 for the Charts.

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# THE INDIAN ATLAS.

CONSTRUCTED ON THE

## BASIS OF THE TRIGONOMETRICAL SURVEY OF INDIA.

FROM THE

## TOPOGRAPHICAL AND REVENUE SURVEYS;

AND ENGRAVED ON COPPER, BY THE LATE <sup>F</sup>JOHN WALKER, ESQ., F.R.G.S.,  
GEOGRAPHER TO THE INDIAN GOVERNMENT.

*Scale, 4 miles to 1 inch.*

The Atlas is designed to extend to 177 sheets, with an Index Map, etc.; *size of each sheet 40 inches by 27; price 4s. Some of the sheets are published in quarters, price 1s. 6d. each; the following are published:—*

### 1.

INDEX to the INDIAN ATLAS. A Map of India, showing the limits of each sheet of the Atlas, and distinguishing those which are published.  
*Scale, 104 miles to 1 inch; size, 24 inches by 33; price 2s.*

A small edition of the Index Map is issued gratis.

### 2.

PUBLISHED SHEETS of the INDIAN ATLAS in numerical order, with the names of the principal places in each.

- |  |  |
|--|--|
| 1a. S.E. Quarter sheet. Shahdadpoor.         | 8. S.W. Quarter sheet. Shikarpoor.       |
| 1. N.E. Quarter sheet. Larkhana.             | 9. N.E. Quarter sheet. Mitrahoo.         |
| 1. S.E. Quarter sheet. Nowshera.             | 9. N.W. Quarter sheet. Khyrpoor.         |
| 2. N.E. Quarter sheet. Majunda.              | 9. S.W. Quarter sheet. Narra River.      |
| 2. S.E. Quarter sheet. Hyderabad.            | 9. S.E. Quarter sheet. Khyrpoor.         |
| 2. S.W. Quarter sheet. Kurraheeh.            | 10. N.E. Quarter sheet. Ranahoo.         |
| 3. N.E. Quarter sheet. Tatta.                | 10. N.W. Quarter sheet. Shahdadpoor.     |
| 3. N.W. Quarter sheet. Coast of Indus Delta. | 10. S.E. Quarter sheet. Oomerkot.        |
| 3. S.E. Quarter sheet. Mouths of Indus.      | 10. S.W. Quarter sheet. Alakyar-katanda. |
| 4. Koorum Valley, Cabul.                     | 11. N.E. Quarter sheet. Nugur-Parkur.    |
| 5. N.E. Quarter sheet. Hussun Kheil.         | 11. N.W. Quarter sheet. Buddeena.        |
| 5. S.E. Quarter sheet. Tank.                 | 11. S.E. Quarter sheet. Runn of Cutch.   |
| 6. N.E. Quarter sheet. Tukht-i-Soliman.      | 11. S.W. Quarter sheet. Luekput.         |
| 6. S.E. Quarter sheet. Vehowah.              | 14. Jelalabad, Peshawur, Attock, Swat.   |
| 7. Vuddore, Jampoor, Shum plain.             | 15. Bunnoo, Kalabagh, Pind-Dadun-Khan.   |
| 8. N.E. Quarter sheet. Mittun-Kote.          | 16. Dehra-Ishmael-Khan, Leia, Jhung.     |
| 8. S.E. Quarter sheet. Kushmore.             | 17. Dehra-Ghazee-Khan, Mooltan.          |



24. Damaun, Jowar, Bhewndee.  
 25. Bombay, Bhore-ghaut, Ban-Kote.  
 26. Rutnagherry, Unjunvel, Viziadroog.  
 27. *Joined to sheet 41.*  
 27A. *N.E. Quarter sheet.* Hunza Nagar.  
 27A. *S.E. Quarter sheet.* Skardo, Asfor.  
 28. Cashmere, Abottabad, Deosai plain.  
 29. Rawul-Pindi, Jamoo, Sealkote.  
 30. Lahore, Umritsur, Jalindhur.  
 31. Pak-Pattun, Sirsuh, Bhutteenna.  
 32. *N.E. Quarter sheet.* Hissar. *Unfinished.*  
 32. *S.E. Quarter sheet.* Jhunjhun. *Unfinished.*  
 33. *N.E. Quarter sheet.* Sikar.  
 33. *S.E. Quarter sheet.* Sambar Lake.  
 34. *N.E. Quarter sheet.* Lawa.  
 34. *S.E. Quarter sheet.* Boondi.  
 38. Nassick, Thul-ghat, Arungabad.  
 39. Poona, Mahabuleshwar.  
 40. Satara, Kolapoor, Beejapoor.  
 41. Goa, Darwar, Belgaum.  
 42. North Canara, Soonda, N.W. Mysore.  
 43. South Canara, Coorg, S.W. Mysore.  
 44. Beypoor, Calicut, Cannanore.  
 44A. *N.W. Quarter sheet.* Moostakh Pass.  
 44A. *S.E. Quarter sheet.* Karakoram Pass.  
 44A. *S.W. Quarter sheet.* Balti, Mashbrum peak.  
 45. *N.W. Quarter sheet.* Dras, Indus and Shyok rivers.  
 45. *S.W. Quarter sheet.* Sooroo and Zaskar rivers.  
 46. Chamba, Kulu, Lahaol, Spiti.  
 47. Loodheeanuh, Simla, Kangra, Chini.  
 48. Bijnour, Dehra, Sirhind, Puttiala.  
 49. Delhi, Meerut, Jhujhur, Hissar.  
 50. Agra, Bhurtpoor, Dholpoor, Ulwar.  
 51. *N.E. Quarter sheet.* Gwalior.  
 51. *N.W. Quarter sheet.* Tonk.  
 51. *S.E. Quarter sheet.* Sipri.  
 51. *S.W. Quarter sheet.* Kotah.  
 52. *N.E. Quarter sheet.* Goonah.  
 52. *S.E. Quarter sheet.* Sirong.  
 53. *S.E. Quarter sheet.* Seonee.  
 54. Gawilguri, Omrawatty. *Incomplete.*  
 55. Maiker, Bassim, Jaulnah, Berar.  
 56. Patree, Daroor, Kowlass, Beder.  
 57. Sholapoor, Koolburga, Koileonda.  
 58. Raichoor, Moodgul, Bellary, Kurnool.  
 59. North-East Mysore, Ceded Districts.  
 60. Mysore, Seringapatam, Bangalore.  
 61. Coimbatore, Neilgherries, Wynaad.  
 62. Cochin, Dindigul.  
 63. Cape Comorin, Tinnevely, Quilon.  
 63A. *S.W. Quarter sheet.* Pangkong Lake.  
 64. *N.W. Quarter sheet.* River Indus.  
 64. *S.W. Quarter sheet.* Hanlé.  
 65. Gangotri, Shipki. *Incomplete.*  
 66. Almorah, Nynee Tal. *Incomplete.*  
 67. Bareilly, Moradabad, Budaon.  
 68. Furruckabad, Cawnpoor, Etawah.  
 69. *N.E. Quarter sheet.* Calpee.  
 69. *N.W. Quarter sheet.* Jaloun.  
 69. *S.E. Quarter sheet.* Mahoba. *Unfinished.*  
 69. *S.W. Quarter sheet.* Jhansee.  
 70. *N.E. Quarter sheet.* Punnah.  
 70. *N.W. Quarter sheet.* Lulutpoor.  
 70. *S.E. Quarter sheet.* Dumoh.  
 70. *S.W. Quarter sheet.* Saugor.  
 71. *N.W. Quarter sheet.* Nursinglipoor.  
 71. *N.E. Quarter sheet.* Jubbulpoor.  
 71. *S.W. Quarter sheet.* Sohagpoor.  
 72. Nagpoor, Seonee, Chindwarra.  
 72. *N.E. Quarter sheet.* Seonee.  
 72. *S.E. Quarter sheet.* Bhundara.  
 72. *S.W. Quarter sheet.* Nagpoor.  
 73. Chandah, Hingunghaut, East Berar.  
 74. Eilgundel, Warungul, Meddnuck, Nirmul. *Imperfect.*  
 75. Hyderabad, Bhonageer, Daverconda.  
 76. Guntoor, Kurnool.  
 77. Cuddapah, Nellore, Tripetty hills.  
 78. Madras, Arcot, Kistnagherry, Chittoor.  
 79. Pondicherry, Tanjore, Salem.  
 80. Madura, Point Calymere, Ramnad.  
 81. Tuticorin, Gulf of Manar.  
 86. *S.W. Quarter sheet.* Kheree in Ondh.  
 87. *N.E. Quarter sheet.* Bulrampoor in Ondh.  
 87. *N.W. Quarter sheet.* Bulhraitel.  
 87. *S.E. Quarter sheet.* Fyzabad.  
 87. *S.W. Quarter sheet.* Lucknow.  
 88. Allahabad, Mirzapoor, Benares.  
 89. Rewah.  
 90. *S.E. Quarter sheet.* Ratanpur.  
 91. *N.E. Quarter sheet.* Belaspoor.  
 91. *S.E. Quarter sheet.* Kaoria, Chura.  
 92. *N.E. Quarter sheet.* Noagarh, Karial.  
 92. *S.E. Quarter sheet.* Raegarh.  
 93. *N.E. Quarter sheet.* Jeypur.  
 94. Rajamundry, Coringa, Ellore.  
 95. Masulipatam, Guntoor.  
 102. Khatmandoo, Bettiah, Goruckpoor.  
 103. Patna, Azimgurh, Tirhoot, Behar.  
 104. Palamow, Hazareebagh.  
 105. *N.E. Quarter sheet.* Palkot, Jeria.  
 105. *N.W. Quarter sheet.* Jushpur.  
 105. *S.E. Quarter sheet.* Gangpoor.  
 105. *S.W. Quarter sheet.* Oodeypoor.  
 106. Sumbulpoor, Sarangur, Sonpoor.

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|--|---|
| 107. Ganjam, Kalahandy, Chinna-Kimidi.   | 120. Moorshedabad Pubna, Burdwan.                                   |
| 108. Calingapatam, Vizianagram.          | 121. Twenty-four Pergunnahs, Calcutta.                              |
| 109. Vizagapatam.                        | 124. <i>N.W. Quarter sheet.</i> Dewangiri.                          |
| 111. Northern Tirhoot and Purneah.       | 125. <i>N.E. Quarter sheet.</i> Cherrapoon-<br>jee.                 |
| 112. Purneah, Monghyr, Bhagulpoor.       | 125. <i>S.E. Quarter sheet.</i> Sylhet.                             |
| 113. Beerbhoom, Raneegunj, Parasnath.    | 125. <i>S.W. Quarter sheet.</i> Parts of My-<br>mensing and Sylhet. |
| 114. Midnapoor, Bancoorah, Chaibassa.    | 128. <i>N.E. Quarter sheet.</i> Nauf River.                         |
| 115. Balasore, Cuttack, Koenjur.         | 131. <i>N.W. Quarter sheet.</i> Asalu.                              |
| 116. Pooree, Chilka Lake.                | 131. <i>S.W. Quarter sheet.</i> Lukhipoor.                          |
| 118. Kooch-Behar, Daijeeling.            |   |
| 119. Bograh, Rungpoor, Dinajpoor, Malda. |   |

The INDIAN ATLAS, coloured GEOLOGICALLY, by the Geological Survey of India. *See page 89.*

DRAWINGS for the INDIAN ATLAS. Prepared in the Offices of the Surveyor-General in Madras or Bombay, 1828 to 1830. *Scale, 4 miles to 1 inch. MSS.*

- |     |      |        |   |
|-----|------|--------|---|
| No. | II.  | 3 N.W. | Ahmedabad, Baroda.  |
| "   | "    | 2 S.W. | Kolapoor, Beejapoor.  |
| "   | III. | 2 S.W. | Goa.  |
| "   | "    | 2 S.W. | Dharwar. (Although numbered alike, the contents are different from the foregoing.)                |
| "   | "    | 2 S.W. | Canara and Bellari. (This drawing joins the Goa sheet, and leaves the parts about Dharwar blank.) |
| "   | "    | 1 S.W. | Bellari and Karnul.   |
| "   | "    | S.     | Nizampatam, Nellur.   |
| "   | IV.  | 2 S.W. | Hulloor (almost blank).   |
| "   | "    | 2 S.W. | N.W. Mysore. (The blank of the preceding sheet is filled up in this.)                             |
| "   | "    | 1 S.W. | Mysore, Bangalore.  |
| "   | V.   | 1 S.W. | S.E. Mysore, Salem.   |
| "   | "    | S.     | South Arcot.  |
| "   | VI.  | S.     | Tanjore.  |
| "   | VII. | 2 S.W. | Quilon.   |
| "   | "    | 1 S.W. | Trivandrum, Cape Comorin.   |
| "   | "    | S.     | Paumben.  |

Drawings in this form for the Atlas were not continued; and the originals actually employed since, have not been preserved.

# GENERAL MAPS, MEMOIRS, AND ATLASES OF INDIA.

## 1. ORDINARY MAPS, ETC.

### ARRANGED CHIEFLY ACCORDING TO DATE.

Fifth Volume of the Excellent VOYAGE from the Illustrious Traveller, PIETRO DELLA VALLE, Nobleman of Rome, in many countries of the world, done since the year 1615. Persia and India. Translated by J. H. Glazemaker. Folio, half bound. MS.

Map of the MALLABAR COAST and of the COSTA DI PÈSCARIA. No. 3 received 13th Novemb. 1705 by y<sup>e</sup> Dutelless viâ Fort St. George. (The Coast of Southern India between Cananore and Pulicat. No title on the face of the map, but it is endorsed as above.) Size, 15 inches by 19. MS.

A GEOGRAPHICAL ILLUSTRATION of the Map of INDIA, translated from the French of Mons. D'Anville, Secretary to his Serene Highness the Duke of Orleans, with some explanatory notes and remarks by William Herbert, Hydrographer. London, 1759. Quarto, half-bound.

Memoir of a Map of HINDOOSTAN,\* or the MOGUL'S EMPIRE, with an examination of some positions in the former system of Indian Geography, and some illustrations of the present one, and a complete Index of Names to the Map. By James Rennell, F.R.S., late Major of Engineers, and Surveyor-General in Bengal. Second edition. With considerable additions and corrections, and an Appendix containing an account of the Ganges and Burrampooter Rivers. London, 1785, on xvii and 175 pages, and Index.

Memoir of a Map of HINDOOSTAN\* or the MOGUL EMPIRE, with an introduction illustrative of the Geography and present division of that Country, and a Map of the Countries situated between the Head of the Indus and the Caspian Sea. By James Rennell, F.R.S., Late Major of Engineers and Surveyor-General in Bengal. To which is added an Appendix, containing an account of the Ganges and Burrampooter Rivers. London, 1788. Quarto, half-bound. On cxli and 295 pages, with Index.

A SKETCH from Colonel Reynolds to exhibit the situation of the country (Dhurumpoor, Paint, &c.), explored by Captain Thatcher, Inspector of Forests, relatively to the coast, the glauts, and the principal places and rivers adjacent. Signed Monier Williams, Captain, Surveyor-General. Bombay, 1807. Scale, 8 miles to 1 inch; size, 23 inches by 16. MS.

Maps of portions of SOUTHERN INDIA drawn on the scale of 18 inches to a degree. On 22 sheets. MSS.  
Probably materials for Reynolds' MS. Map.

Maps of portions of INDIA drawn on a scale of 9 inches to a degree. On 11 sheets.  
Probably materials for Reynolds' MS. Map. Unfinished MSS.

\* For the map itself see "A Collection of Maps" in page 464.

## CONTENTS :

- |                         |                               |
|-------------------------|-------------------------------|
| 1. Goa.                 | 6. Dehra Doon.                |
| 2. Aravullee Mountains. | 7. Aravullee Mountains.       |
| 3. Sind.                | 8. Sirhind.                   |
| 4. Tonk.                | 9. Sind.                      |
| 5. Almora.              | 10, 11. Kattywar and Gujerat. |

**Map of HINDOOSTAN.** By the late Lieut.-General Charles Reynolds. Compiled from his original papers with the addition of more recent surveys by Monier Williams, Major, successor to Colonel Reynolds as Surveyor-General, Bombay Establishment. February, 1821. Drawn by William Webbe, Surveyor of the Madras Establishment. *Scale, 16 miles to 1 inch; size, 30 inches by 51.* Nine antiquarian sheets; imperfect and unfinished. Outline, with a few names only. MSS.

## CONTENTS :

- |                      |                                |
|----------------------|--------------------------------|
| 1. Cashmere, Caubul. | 6. Indus Delta, Cutch, Malwa.  |
| 2. Punjab.           | 7. Gwalior, Lucknow, Calcutta. |
| 3. Delhi, Agra.      | 8. Dacca.                      |
| 4, 5. Title.         | 9. Bombay.                     |

**To the Honourable the Court of Directors of the East India Company,** this improved **MAP OF INDIA**, compiled from all the latest and most authentic materials \* \* \* By A. Arrowsmith. London, 1816. *Scale, 16 miles to 1 inch; on 9 sheets.* Folio, half-bound; also a copy folded in a case.

Thanks for assistance are given in a note,—to the Duke of Wellington, Colonel Allen, General Kyd, Sir John Malcolm, Sir James Mackintosh, Dr. Buchanan, Mr. Sydenham, and to the Court of Directors for the use of the map of Mysore by Colonel Colin Mackenzie, Surveyor-General of India.

**To the Right Honourable John Sullivan, M.P.** \* \* \* this **MAP OF INDIA** is inscribed by \* \* \* A. Allan. 1818. *Scale, 69 miles to 1 inch; size, 34 inches by 27.*

A new and improved Map of **INDIA** compiled from the latest documents, is respectfully inscribed to Major James Rennell, F.R.S., &c., &c., by \* \* \* Black, Kingsbury, Parbury, and Allen. London, 1820. Drawn and engraved by J. Walker. *Scale, 64 miles to 1 inch; size, 38 inches by 27.* Mounted in a case.

**Map of the PENINSULA of INDIA** reduced from the surveys executed chiefly under the direction of the Surveyor-General. Surveyor-General's Office, Fort St. George, 1823. Signed F. Mountford, Deputy Surveyor-General. With a note signed J. A. Hodgson, Surveyor-General of India. *Scale, 16 miles to 1 inch; size, 53 inches by 53.* MS.

**District Maps of SOUTHERN INDIA.** An imperfect series without general title, &c. Drawn in the Surveyor-General's Office, Calcutta, under the direction of the Surveyor-General, Captain J. A. Hodgson, 1822. *Scale, 16 miles to 1 inch; size, 13 inches by 10.* MSS.

No. 29. Moodgul and Rachoor Circars. 1816-17.

„ 30. Suggur Circar. 1819.

„ 31. Circars of Condapilly and Masulipatam. 1816-17.

„ 32. Elloor and Masulipatam Circars. 1821.

„ 33. Guntoor Circar. 1819.

„ 34. Western boundary of the Nizam's dominions. 1819-20.

„ 35. Portion of country to the southward of Hyderabad. 1822.

„ 36. Western portion of the Rajamundry district. 1821.

„ 37. Part of Rajamundry district. 1821.

„ 38. Travancore and Cochin. 1816-20.

„ 39. Portion of Dindigul Province. 1821.

„ 40. Part of South Coimbatore. 1821-22.

**Atlas of SOUTH INDIA** in eighteen sheets, from Cape Comorin to the river Kistnah, delineated on a scale of four English miles to one inch, principally from original surveys communicated by the Honourable Court of Directors of the East India Company; by A. Arrowsmith. London, 1822. On 16 sheets, with an index map and a sketch map of India. Folio, half-bound.

**Atlas of the NORTH-WEST of INDIA.** Part 1st containing maps of the countries between the latitudes of  $28^{\circ} 50'$  and  $32^{\circ}$  North, and the longitudes of  $75^{\circ} 50'$  and  $81^{\circ} 30'$  East, constructed from recent surveys by J. A. Hodgson, Surveyor-General of India. *Scale, 1 inch to 4 British miles.* Signed J. A. Hodgson, 1823. On 15 sheets and title; size of each, 27 inches by 22. MSS.

**A new Map of HINDOSTAN,** constructed from original materials exhibiting its political divisions, and the natural features of the country. By G. and J. Cary. London, 1824. Dedicated to Lieut.-Colonel Valentine Blacker, C.B., Surveyor-General of India. *Scale, 25 miles to 1 inch;* on 6 sheets, including a map of the countries between India and Europe. With a list of eleven overland travellers, beginning with Niebuhr, and their routes. *Scale, 120 miles to 1 inch.* Folio, half-bound.

**This newly constructed and extended Map of INDIA** from the latest surveys of the best authorities, published principally for the use of the officers of the Army in India, is respectfully inscribed to Major-General Sir John Malcolm, G.C.B., K.L.S., &c. By Parbury, Allen, & Co. London, 1825. Drawn and engraved by John Walker. *Scale, 32 miles to 1 inch; size, 62 inches by 62.*

Another edition, 1831.

Another edition, by W. H. Allen & Co., 1836, folded.

**A general Map of INDIA** compiled from the latest authorities. Drawn and engraved by J. Walker. Published by James Horsburgh, Hydrographer to the Honourable East India Company. 1825. *Scale, 64 miles to 1 inch; on 2 sheets: size, 27 inches by 50.*

**Index containing the NAMES and GEOGRAPHICAL POSITIONS** of all PLACES in the Maps of INDIA. Designed to facilitate the use of those maps and especially that of the newly constructed and extended Map of India lately published by Kingsbury, Parbury, and Allen, Booksellers to the Hon. East India Company, London, 1826. 12mo. 448 pages, boards.

**A new MAP of the ANCIENT DIVISION of the DECKAN,** illustrative of the history of the Hindu Dynasties, with descriptions of the principal places \* \* \* By C. V. Ramaswamy, Pundit. Calcutta, 1827. *Scale, 20 cos to 1 inch; size, 28 inches by 21.*

An Atlas with the following printed title, containing five Maps:—

**Maps illustrative of the EUROPEAN CONNECTION WITH INDIA** and of the British Administration in its several Departments. London, printed by order of the Honourable Court of Directors, 1833. With an Introduction by John Walker, Military Secretary's Office, India House.

\* \* These maps are drawn for the year 1831 to correspond with the Report for the House of Commons of that year.

1. General and Commercial Map of India and of the adjacent countries and islands (distinguishing the foreign European Settlements). By John Walker, Military Secretary's Office, India House.
2. Political Map of India. By John Walker, Military Secretary's Office, India House. (With a Chronological Table of the Acquisitions of the British in India up to 1826;) a list of Native States established by the British Government in conquered Territory; a list of State Pensioners; a list of Native States not under British protection; Native States with which subsidiary treaties exist; Native States under British protection without treaties; Foreign Independent States.

3. Military Map of India (showing the Territories under the Armies of Bengal, Madras and Bombay, with their Military Divisions.)\* By John Walker, Military Secretary's Office, India House.

\* *Note*.—It would appear from the Map that it is coloured in Presidencies, but these Military limits are not Presidential, and are very different from the Political or Civil limits of the Presidencies.

4. Revenue Map of India. By John Walker, Military Secretary's Office, India House. With a list of the Collectorates in the three Presidencies.
5. Judicial Map of India. By John Walker, Military Secretary's Office, India House. With a list of the Zillahs in the three Presidencies.

An **ATLAS**, without title or contents, including the following maps.

It appears to be an extension of the Atlas made in 1833, for the purpose of accompanying the Report to the House of Commons in 1851.

1. General and Commercial Map of India and of the adjacent countries and islands (distinguishing the Foreign European Settlements and denoting the distances between the principal ports.)
2. Political Map of India, by John Walker. (With a Chronological Table of the acquisitions of the British in India up to 1850.)
3. Revenue Map of India, by John Walker. (Showing the three Presidencies divided into Collectorates, the Protected and Independent States.)
4. Military Map of India, by John Walker. (Showing the Territories under the Bengal, Madras, and Bombay Armies, and their military divisions; also the principal routes with distances.)
5. Map showing the States on the South-West Frontiers of Bengal and Bahar. By John Walker.
6. Map showing the States on the North-East Frontiers of Bengal. By John Walker, with a Sketch Map showing the position of the tea tracts in Upper Assam, and the plantations of the Assam Tea Company.
7. States of Bundelcund and the adjacent districts. By John Walker.
8. Map showing the British Possessions on the North-West Frontier of India and the adjacent States. By John Walker.
9. Map showing the States between the Ganges and Sutlej rivers, By John Walker.
10. Map of the Burman Empire, showing also the States on the Eastern Frontier of Bengal. By John Walker.

Also unbound:—

Map showing the extent of the **SIKH TERRITORY** at the death of Maharajah Runjeet Sing, and the partitions effected by treaties between the British Government, Maharajah Dhuleep Sing, and Maharajah Gholab Sing. By John Walker.

\* \* This map is another edition of the Map of the North-West Frontier, No. 8 in the foregoing Atlas.

Map of the **POST OFFICE STATIONS** and **POST** and **BANGY ROUTES** throughout **BRITISH INDIA**. Constructed by J. B. Tassin, under orders of the Supreme Government of India, for the use of the Post Office Department of the three Presidencies, from materials collected by Captain T. J. Taylor, Secretary to the Committee for the Revision of Customs and Post Office Departments in India. Calcutta, 1838. *Scale*, 90 miles to 1 inch; *size*, 30 inches by 25. Mounted in a case.

Index to **WYLD'S Map of INDIA**, containing the names of the Towns, Military and Civil Stations, Collectorates, Zillahs, &c. Collected and alphabetically arranged, with their geographical positions correctly ascertained. 8vo. 114 pages, cloth. London, 1838.

Map of the **ROUTES** in **INDIA** with Tables of Distances between the Principal Towns and Military Stations. London, Wm. H. Allen & Co., 1841. *Scale*, 80 miles to 1 inch; *size*, 32 inches by 26. Mounted in a case.

Map of INDIA from the most recent authorities. Wm. H. Allen & Co., London, 1845. Drawn and engraved by John Walker. *Scale, 64 miles to 1 inch ; size, 38 inches by 33.* Folded in a case.

A newly constructed and improved Map of INDIA compiled chiefly from surveys executed by order of the Honourable East India Company. London, W. H. Allen & Co., 7, Leadenhall St., 1849. Drawn and engraved by J. and C. Walker. Another edition 1852, coloured to show the British Possessions in 1833 ;—the Acquisitions from 1833 to 1855 ;—and the Subsidiary, Protected, and Independent States.

Map of INDIA showing the British Territories and those of the Native States, chiefly compiled from Trigonometrical Surveys executed by order of the Honourable Court of Directors of the East India Company. By John Walker, Geographer to the East India Company, 1852. *Scale, 32 miles to 1 inch ; on 6 sheets ; size, 66 inches by 66.* Mounted to fold in a cover.

Another edition, 1868. On spring rollers.

Map of INDIA, from the most recent Authorities. Wm. H. Allen & Co., 7, Leadenhall Street, London, 1853. Drawn and engraved by J. and C. Walker. *Scale, 65 miles to 1 inch ; on 2 sheets ; size of each, 40 inches by 27.* Western sheet only.

A Gazetteer of the TERRITORIES under the Government of the East India Company and of the Native States on the Continent of INDIA. Compiled by authority of the Hon. Court of Directors, and chiefly from documents in their possession, by Edward Thornton, Esq., &c. In four volumes. London, 1854. Octavo, cloth.

Also an edition in one volume, corrected to the latest period by the author. London, 1857.

An Atlas of the SOUTHERN PART of INDIA, including Plans of all the principal Towns and Cantonments, reduced from the Grand Trigonometrical Survey of India, showing also the Tenasserim Provinces. Pharoah & Co., Madras. Engraved by J. and C. Walker. Sixty-seven maps, and a general Map by F. H. Scott, Major, Dep. Q. M. Gen. of the Army. Madras, 1854. In 1 vol. 4to. Half-bound.

A Gazetteer of SOUTHERN INDIA, with the Tenasserim Provinces and Singapore. Compiled from original and authentic sources. Accompanied by an Atlas, &c. By Pharoah & Co., Madras, 1855. Octavo, half-bound.

Cyclopædia of INDIA, and of EASTERN and SOUTHERN ASIA, Commercial, Industrial, and Scientific ; products of the Mineral, Vegetable, and Animal kingdoms, Useful Arts and Manufactures. Edited by Edward Balfour, L.R.C.S.E., Deputy Inspector General of Hospitals, Madras Army, &c. Madras, 1857. In one thick volume, octavo. Also two supplementary volumes to 1862.

The second edition. in five vols. Madras, 1871-73.

Maps and Plans to accompany GOVERNMENT (of India) RECORD, No. LIII., or Annual Progress Reports of the Executive Engineers in the Southern, Central, and Northern Provinces for 1857-58 ; also Sind for 1856-7 and 1857-8. Thirty maps. Oblong 4to., cloth.

Stanford's Map of INDIA, based on the Surveys executed by order of the Honourable the East India Company, special Maps of the Surveyor-General, and other authorities ; showing the latest territorial acquisitions of the British

Empire, and the Independent and Protected States, Railways, Canals, &c., 1857. *Scale, 35 miles to 1 inch; size, 64 inches by 50.* Mounted in a case. With a chronological table of acquisitions, diagrams of bearings and distances of important places from the Presidencies, &c.

Handbook to the Maps of INDIA. Compiled by Major H. V. Stephen. London, 1857. 16mo. 137 pages, bound.

Map of INDIA to illustrate Mr. Bourne's Letter on Inland Navigation. Published for the Soc. Diff. U. Knowledge in 1846, with additions to the title, &c. in MS. *Size, 17 inches by 15.*

Vorder INDIEN entworfen und gezeichnet von C. F. Weiland. Weimar, 1858. *Scale, 100 miles to 1 inch; size, 26 inches by 23.*

DISTRICTS and DIVISIONS of INDIA. 1862. *Scale, 96 miles to 1 inch; size, 26 inches by 28; price 2s.*

The INDIAN TRAMWAY COMPANY, Limited \* \* \* Sketch Map showing the Railways, Roads, and proposed Tramways. 1862. *Scale, 68 miles to 1 inch; size, 34 inches by 26.*

INDIA. 1864. Fifth edition. (Lady Canning's Map.) *Scale, 128 miles to 1 inch; size, 22 inches by 26.*

Sketch Map of INDIA. By John Walker. (Containing Roads, and Canals for navigation and irrigation, from official information to 1864; also Railways and Telegraph lines and stations to the present time.) *Scale, 32 miles to 1 inch; on 6 sheets; size, 66 inches by 54; price 12s.*

The same, showing Telegraph Lines and Stations; prepared from information furnished by the Telegraph Department, 1864.

Sketch Map of INDIA, showing the lines of Railway and Electric Telegraph. By John Walker. *Scale, 80 miles to 1 inch; size, 29 inches by 29; price 2s.* One copy dated 1868; another in 1869; another in 1869, to accompany the minute of Sir John Lawrence; another in 1870, and other copies undated.

Skeleton Map of INDIA showing Political Divisions, corrected and revised 1865. H. A. Thuillier, Colonel, Surveyor-General of India. *Scale, 32 miles to 1 inch; size, 66 inches by 54. MS.*

\* \* \* Since published by the S.G.O. in 6 sheets. See *Sketch Map of India* 1868 and 1870.

Skeleton Map of INDIA, to illustrate the Lines of Telegraph in 1868. Prepared from information furnished by the Officiating Director-General of Telegraphs in India. *Scale, 96 miles to 1 inch; size, 2 feet square. Folded in a cover, price 1s.*

Index to the DISTRICTS and DIVISIONS of INDIA, 5th Edition. 1868. *Scale, 96 miles to 1 inch; size, 26 inches by 28; price, in cover, 2s.*

Hand Map of INDIA. 1869. *Scale, about 2° to 1 inch; size, 2 feet square. Coloured and folded in a cover, price 2s. The sheet uncoloured, price 1s.* (A previous edition, 1868.)



Sketch Map of INDIA, showing the Political and Revenue Divisions, Calcutta, 1868. *Scale, 32 miles to 1 inch; on 6 sheets; size, 66 inches by 68; price 12s.*

Another edition, 1870.

Fifth edition, 1872; also with corrections to June 1874.

INDEX to the GREAT TRIGONOMETRICAL SURVEY of INDIA, exhibiting in one view the Districts of Bengal, Madras, and Bombay Presidencies, the several series of triangulation, and the sections of the Indian Atlas to the year 1869. *Scale, 96 miles to 1 inch; size, 24 inches to 26; price, 2s.*

INDIA (No. 1). 1869. Published under the direction of Colonel H. L. Thuillier, F.R.S., Surveyor-General of India. *Scale, 256 miles to 1 inch; size, 12 inches by 13; price 1s.*

INDIA (No. 2). Published at the Surveyor-General's Office, Calcutta. *Scale, 128 miles to 1 inch; size, 22 inches by 24; price 2s.* 1870. In a cover, entitled, Hand Map of India with Hills. Also a later edition in 1870.

INDIA (No. 2A). 1869. In a cover entitled Hand Map of India without Hills. Published under the direction of Colonel H. L. Thuillier, R.A., F.R.S., Surveyor-General of India. *Scale, 128 to 1 inch; size, 22 inches by 24; price, 2s. each.* Also a later edition, January 1870.

INDIA (No. 2). 1870. Published under the direction of Colonel Thuillier, R.A., F.R.S. With Hills. *Scale, 128 miles to 1 inch; size, 22 inches by 24; in cover, price 2s. 6d.*

The same without Hills. *In cover, price 2s. 6d.*

Skeleton Map of INDIA, illustrating the Lines of Telegraph in 1870. Compiled in the office of the Director-General of Telegraphs in India. *Scale, 75 miles to 1 inch; size, 38 inches by 35; price, 4s.*

A Sketch of the MOUNTAINS and RIVER BASINS of INDIA, in two maps, with explanatory Memoirs. By Trelawny Saunders. 1870. *Imp. 8vo., price 3s.*

A Sketch of the MOUNTAINS of INDIA and its Borders. With a comparative series of Vertical Sections. By Trelawny Saunders. 1870. *Scale, 3 degrees to 1 inch; size, 16 inches by 13; price 1s.*

A Sketch of the RIVER BASINS of INDIA and its Borders: an adaptation of the previous map. By the same author. *Price 1s.*

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## 2. SPECIAL MAPS.

### (a.) *Altitudes.*

BAROMETRICAL SECTIONS OF INDIA. Bound together in 1 vol. folio. *Size, 17 inches by 11.*

#### CONTENTS :—

1. Barometrical Section of India from Cape Comorin in lat. N.  $8^{\circ} 9'$ , long. E.  $77^{\circ} 41'$  to the source of the Taptce River, near Mooltye in lat. N.  $21^{\circ} 44'$ , long. E.  $78^{\circ} 20'$ . By Major-General William Cullen, Madras Artillery, Resident of Travancore and Cochin. *Scale of distances, 10 miles to 1 inch; altitudes, 1000 feet to 1 inch.* Madras, 1851. With notes on climate. *Size, 10 feet by 16 inches.*
2. Map showing the relative positions of the places, the altitudes of which are exhibited in the accompanying section (Bombay to Chittoor). *Scale, 10 miles to 1 inch.*  
Barometrical Section of India from Bombay in lat. N.  $18^{\circ} 57'$ , long. E.  $72^{\circ} 57'$  to Chittoor, in lat. N.  $24^{\circ} 56'$ , long. E.  $74^{\circ} 44'$ , constructed from the Observations of Lieutenant-Colonel J. Wilson, 26th Regiment of Bengal Native Infantry, C.B. *Scale of distances, 10 miles to 1 inch; altitudes, 1000 feet to 1 inch; size,  $5\frac{1}{2}$  feet by 16 inches.*
3. Map showing the relative positions of the places, the altitudes of which are exhibited in the accompanying section. (Agra to Sabbathoo.) *Scale, 10 miles to 1 inch.*  
Barometrical Section of India from Agra, lat. N.  $27^{\circ} 10'$ , long.  $78^{\circ} 3' 51''$ , to Subhatoo in lat.  $30^{\circ} 58' 12''$ , long.  $76^{\circ} 58' 37''$ . Constructed from the observations of Captain A. Gerard. *Total distance, 287 miles on a scale of 10 miles to 1 inch; altitudes, 1000 feet to 1 inch.*
4. Barometrical Section of India. By Major-General W. Cullen, Madras Artillery, Resident of Travancore and Cochin. *Distances, 10 miles to 1 inch; altitudes, 1000 feet to 1 inch.* With notes on climate.  
From Nagpore to Jaulna.  
From Goa to Bellary.  
From Madras to Mysore:  
*Joined together, size 7 feet by 16 inches.*
5. Barometrical Section from Madras to Bellary. By Major-General William Cullen, Madras Artillery, &c. With coloured indications of the prevailing rocks. *Horizontal scale, 10 miles to 1 inch; vertical scale, 1000 feet to 1 inch; size, 3 feet by 16 inches.*
- 6, 7. Barometrical Section from Mulla Amanhuroo viâ Soondoor, &c. to Bellary. By Major-General William Cullen, &c., 1823. Also from Bellary, viâ Hirriell and Baghudoogoota or Boygatta to Mulla Amanhuroo.
8. Barometrical Section of India from the Caves of Elloora in lat. N.  $10^{\circ}$ , long. E.  $76^{\circ}$  to Masulipatam, lat. N.  $16^{\circ}$ , long. E.  $81^{\circ} 11'$ . By Major-General William Cullen, &c. *Scale of distance, 10 miles to 1 inch; altitudes, 1000 feet to 1 inch; size,  $4\frac{1}{2}$  feet by 16 inches.*

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## The SPIRIT LEVELS and TRIGONOMETRICAL HEIGHTS

of the GREAT TRIGONOMETRICAL SURVEY of INDIA, combined with Spirit Levels of the Department of Public Works (also Canal, Revenue, and other surveys). Expressed in feet and referred to the datum of the mean sea level of Karachi harbour.\* Dehra, 1869-77. *Scale, 2 miles to 1 inch.* The following sheets are published, *size of each, 28 inches by 41*, with letter-press to each sheet.

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| „ 16. | „ | Mynpoorie and Furruckabad, &c.                      |
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\* This title (except the part in parentheses), appears at the head of the Second Editions of sheets 1 and 3 of the series; and as it seems to be well adapted to the general scope of the work, it is adopted here to include the whole. But the First Edition of sheets 1 and 3, also sheets 5, 7, 10, 12, 14, 15, 16, 17, 18, 19, bear the following title :—"Great Trigonometrical Survey. Levels in the North-West Provinces, compiled from canal, railway, and other surveys, and combined with the operations of the G. T. Survey. Expressed in feet," &c.

Sheets 23 and 66 have another heading, viz. :—"Levels in the Punjab, compiled from canal and other surveys and combined," &c.

Sheet 27 is headed "Levels in the North-West Provinces and Oudh," &c.

Sheets 28 and 40 are headed "Levels in Oudh," &c.

The unity of the work under all these different titles is made manifest by an Index Map in the "General Report on the operations of the Great Trigonometrical Survey of India during 1872-73," the heading of which is, "Index to Main Level Lines by the G. T. Survey, for compilation of Charts. "Northern Section. Sheet No. 1." This Index shows that the scope of the work extends from Peshawur to the Nerbudda, and from Karachi to Calcutta. The various titles and the irregular numbering of the sheets, seem to imply that narrower limits were formerly intended. As the consequences are liable to be puzzling and troublesome, this note is inserted to prevent that result, and also the dispersion of the charts as their titles seem to dictate.

- No. 18. Parts of Furruckabad, Cawnpoor, and Etawah.  
 „ 19. „ Cawnpoor and Oudh.  
 „ 23. „ Karnal, Delhi, Rohtak, Jind, Patiala, and Hissar.  
 „ 27. „ Shahjahanpur, Kheri, Hardoi, and Sitapur.  
 „ 28. „ Sitapur, Bara-Banki, Hardoi, Lucknow, and Unao.  
 „ 40. „ Lucknow, Bara-Banki, Bareilly, Unao, Sultanpur, Fyzabad, and Gonda.  
 „ 66. „ Umballa, Karnal, Patiala, Nabha, &c.

(b.) *Antiquities.*

Karte von ALT-INDIEN zu Prof. Chr. Lassens Indischer-Altherthumskunde, bearbeitet und gezeichnet von Dr. H. Kiepert. A Map of Ancient India, with the Indian Classical and Principal Modern Names to illustrate Prof. Lassen's Indian Antiquities. Drawn by Henry Kiepert, LL.D., at Berlin. 1853. *Scale, 84 miles to 1 inch.* With a Sketch Map of the Boundaries of Languages now existing in India, and one of the Ancient Geography of the Indo-Chinese Peninsula with the Islands adjacent to India. *Size, 30 inches by 25.*

(c.) *Geology.*

General Sketch of the PHYSICAL and GEOLOGICAL FEATURES of BRITISH INDIA. By G. B. Greenough, Esq., F.R.S., F.G.S., &c. &c.

With a compass-card showing the Directions of European Mountain Chains, and a map of the Directions of Mountain Ranges in Southern Asia; a list of heights and minerals in Ceylon; lists of Indian coal fields and diamond mines; and of fossils in various parts; also a list of Granite Clusters and Mines in India. *On 9 sheets; size, 78 inches by 67.* Also a copy mounted in a case.

Geological Section from JEYPORE to JOWRA. By A. A. Jacob. B.A., Engineer and Geologist, B. B. & C. I. Railway Company. *Distances, 6 miles to 1 inch; size, 12 inches by 54.* MS.

ABSTRACT of the PROCEEDINGS of a COMMITTEE for the INVESTIGATION of the COAL and MINERAL RESOURCES of INDIA up to April 1842. By the Secretary, John McClelland (Surgeon). Calcutta, 1842.

REPORT on the IRON ORES of INDIA, by Lieut.-Colonel Goodwyn. October 1856. MS.

<sup>1</sup> <sup>x</sup> See also the Geological Survey of India, p. 66.

(d.) *Languages.*

Map of INDIA illustrating the Divisions in which the various languages prevail. Drawn in the Statistical Office (H. E. I. Company). 1852. *Size, 14 inches by 16.*

See also Lassen's Map of Ancient India, above.

For general maps of India in Native Languages, see Maps in Oriental Languages, p. 519.

(e.) *Meteorology.*

See pages 623 to end.

*(f.) Military Maps. Distribution of Troops.*

**Military Map of INDIA**, showing the disposition of the Armies of the Bengal, Madras, and Bombay Presidencies, and the present condition of the Army of Bengal. Signed H. S. Thuillier, Major, Deputy Surveyor-General of India. Calcutta, October 6, 1857. With a table of the British force before Delhi, August 20, 1857; and of the Native regiments in rebellion in Delhi, Oude, &c.; also particulars of the reinforcements arriving at Calcutta by sea. *Scale, 64 miles to 1 inch; size, 33 inches by 37; mounted in a quarto case.*

The same for August 1860.

**Sketch Map of INDIA** by John Walker, showing the distribution of troops. *Scale, 32 miles to 1 inch; on 6 sheets, half bound as an atlas.* No date.

**Sketch Map of INDIA**, showing the distribution of Troops in the Presidencies of Bengal, Madras, and Bombay. 1863. The information supplied by the Quartermaster-General's Department. *Scale, 32 miles to 1 inch; size, 66 inches by 54.*

**Military Map of INDIA**, showing the disposition of the Troops of the Bengal, Madras, and Bombay Presidencies. July and August 1867. Topog. Dépôt, War Office. *Scale, 64 miles to 1 inch; size, 31 inches by 37.*

**Military Map of INDIA**, showing the disposition of the Troops, Lithographed at the Quartermaster-General's Department, under the direction of Major C. W. Wilson, R.E., F.R.S. 1876. *Scale, 60 miles to 1 inch; size, 50 inches by 40.*

\* \* \* See also separate maps of Bengal, Madras, and Bombay Military Divisions.

*(g.) Statistics and Products.*

1. Map of INDIA, showing Area in square miles and Population of each district and British administration; also of the Native States according to the latest returns.
2. Map of INDIA, illustrating the Cultivation of COTTON.
3. Map showing the LOCALITIES of the TEAK FORESTS in India.

The three maps are accompanied by letterpress tables and notes in a cover. Folio. No date.

*(h.) Wreck Charts.*

**The COAST of INDIA from KARACHI to SINGAPOOR.** Showing positions of Wrecks during the year 1867. (Compiled in the Office of the Surveyor-General of India, Calcutta, July 1867.) *Scale, 60 miles to 1 inch; size, 30 inches by 44; price 3s.*

**The COAST of INDIA from KARACHI to SINGAPOOR**, showing positions of wrecks during the year 1870. *Scale, 60 miles to 1 inch; size, 30 inches by 44; price, 3s.*

Also, the same for 1871, 1872, and 1873.

**REPORT** by Mr. Hope, Executive Engineer, British Burmah, to accompany the Wreck Chart for India, for the year 1864-65. P.W.D. proceedings, December 1866. Fcap., 21 pages.

**The INDIAN WRECK and CASUALTY STATEMENTS** for the year 1873, together with the notes thereon. No. 167. Marine Consultation for April 1874. Fcap., 15 pages.

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With a manuscript copy of the descriptions which accompany some of them.

Extracted from the following work in the British Museum:—

**LIVRO do ESTADO da INDIA ORIENTAL** repartido en tres partes, a primeira contem todos os retratos dos Vizorreis que tem avido no dito estado athe o anno de 634 com descrições de seus governos.

A segunda parte contem as plantas das fortalezas que ha do cabo de boa esperanza athe a fortaleza de Chaul e com larga descripção de tudo hoque ha em eada huã das dittas fortalezas, Rendimento e gasto que tem & tudo o mais que lhe toca.

A tereceira contem as plantas de todas as fortalezas que ha de Goa athe a China com descripção da mesma forma; & vão juntamente plantas de fortalezas que não são do estado que por estarem nas mesmas costas se puzerão por curiosidade.

Feito pello Capitão P. Barretto de Resende Cavalleiro professo da Ordem de São Bento de Avis, natural de Pavia. Anno de 1646.

The Plans and Descriptions extracted are from a distinct part of the work, the title of which follows, with the titles of the plans:—

**Livro de ANTONIO BOCARRO, Guardamor de Archivo Real da INDIA, e Chronista geral della, &c.\***

- Livro das Plantas, &c.
15. Fortaleza de Dio.  
(Descripção, 1-37.)
  16. Fortaleza de Damão.  
(Descripção, 38-62.)
  17. Fortes de Sangers e de Dañu.  
(Descripção, 63-64.)
  19. Fortes de Sirgam e de Maim.
  20. Fortalezas de Agaçaim e Manora.
  22. Fortaleza e cidade de Baçaim.  
(Descripção, 65-78.)
  23. Fortaleza de Tanna.  
(Descripção, do barro e porto de Mombaim, 79-85.)
  24. Fortalezas de Mombaim e Ilha de Carania.
  25. Fortaleza do Morro de Chaul.
  26. Fortaleza e cidade de Chaul.

27. Fortalezas e Povoações de Agoada, Bardez, e Chorão.
28. Fortalezas e Povoações de Saleete, Mormugão, e Raehol.
29. Fortaleza de Cambobin.
30. " Barcelor.
31. " Mangalor.
32. " Cananor.
33. " Cranganor.
34. Fortaleza e cidade de Coehim.  
(Descripção, 86-108.)
35. Fortaleza de Coutão.
36. " Manar.
45. Cidade de S. Thomé de Meliapor.  
(Descripção.)  
(Descripção da Povoção de Negapatão.)

"According to Silva (Tom. 1, p. 98, and Tom 6, p. 397), P. Barretto de Resende wrote the account of the viceroys, and A. Bocarro the descriptions of the fortresses. There can scarcely be a doubt but that the second part of the Museum MS., although attributed to B. de Resende according to the wording of the title, is really by Bocarro, as it corresponds in all important particulars with the description of Bocarro's work given in the "Catalogo dos MS. de la Bib. Pub. Eborense."

\* Catalogados Manuscriptos de Bibliotheca Publica Eborense (Lisbon, 1850) I., p. 302.

## 4. OLD DUTCH CHARTS AND MAPS OF INDIA.

### COPIES OF DUTCH CHARTS AND MAPS,

THE ORIGINALS OF WHICH ARE IN

THE STATE ARCHIVES AT THE HAGUE,

and catalogued in

the "Inventaris der Verzameling Karten berustende in het Rijks Archief."

2 vols. 8vo. 's Gravenhage (The Hague) 1867.

\* \* The numbers preceding the titles refer to the Dutch catalogue.

### I. CHARTS.

#### *Red Sea and Gulf of Aden.*

216. A part of the Red Sea, and of the Gulf of Aden, including the African coast between Cape Gardafui and Camelo Island; and the Arabian coast between the Gulf of Baixos (Gulf of Masira?) and Omara (west coast). *Scale, 25 geographical miles to 1 inch; size, 21 inches by 30.* Date, 17th century. MS.
217. A part of the Red Sea, including the African coast from the Stouy River, and the Arabian coast between Aden and Mocha. *Scale, about 9 geographical miles to 1 inch; size, 21 inches by 29.* Date, 17th century. MS.
218. A Chart of the roadstead of Mocha, with soundings, and a view of the town. *Scale, 11 inches to a German geographical mile; size, 20 inches by 29.* Date, 17th century. MS.

#### *Gulfs of Persia and Oman.*

219. The Gulf of Oman, including the Arabian coast from Kuria Muria Bay to Cape Monsadok (Mussendom) at the entrance of the Persian Gulf, and the Mekran coast, between Cape Jask and the Indus. *Scale, 25 geographical miles to 1 inch; size, 20 inches by 29.* Date, 17th century. MS.
220. The Persian and Oman Gulfs from Muscat to Bassora. Soundings along the coast of Persia. *Scale, 25 geographical miles to 1 inch; size, 21 inches by 29.* Date, 17th century. MS.
221. The Persian and Oman Gulfs, with soundings along the Persian and Oman coasts. *Scale, 25 geographical miles to 1 inch; size, 21 inches by 29.* Date, 17th century. MS.
222. Muscat to Port Doggeby, west of Cape Mussendom, with soundings. *Scale, about 14 geographical miles to 1 inch; size, 21 inches by 29, including two supplements.*
- (i.) The Bay of Muscat, with soundings and view of the town and forts.
  - (ii.) The Strait of Ormuz, with soundings. *Scale, about 15 geographical miles to 1 inch.*

#### *India, West Coast.*

223. The entrance to the Gulf of Cambay, including Súrat, Bombay and Diu, with soundings. *Scale, 9 geographical miles to 1 inch; size, 30 inches by 21.* Date, 17th century. MS.
224. A chart of Angria's coast (the Concan). *Scale, 4 miles to 1 inch; size, 21 inches by 54.* Date, 17th century. MS.

225. Chart of the river Taptce up to Súrat, with soundings. *Scale, 4½ inches to 1 geographical mile; size, 21 inches by 29.* Date, 17th century. MS.
226. Chart of Gouzaratte (Cutch) Cuncan of Visiapoer (Beejapoor), Canara and Malabar coast from Gujrát and the R. Pilatus (Indus Delta) to Cranganor, with soundings. *Scale, 25 geographical miles to 1 inch; size, 21 inches by 29.* Date, 17th century. MS.
227. Chart of the Deccan (properly Concan) and Malabar coasts, with the Laccadive and Maldive Islands, and the Padua Bank, &c., including the western coast of India from Diu to Cape Comorin, and part of the Gulf of Mannar, with soundings. *Scale, about 16 geographical miles to 1 inch; size, 36 inches by 33.* Date, 18th century. MS.
228. Chart of a part of the coast of Goa, with soundings. *Size, 18 inches by 29.* Date, 17th century. MS.
229. Chart of the Malabar Coast and Backwaters from Coilang (Quilon) to Cranganor, with soundings. By Jan Tim, revised by H. G. Faarant, engineer. *Scale, 1 mile to 1 inch; size, 28 inches by 118.* Date, 1697.  
\* \* See also Nos. 882, 883, 884.
230. Plan of Culvaty, a suburb of Cochin, with a description by D. Zynen. *Size, 21 inches by 29.* Date, 1764.
231. Chart of the Malabar and Coromandel coasts, Palk Strait, and northern coasts of Ceylon, showing the pearl banks, with soundings. *Scale, 25 geographical miles to 1 inch; size, 21 inches by 29.* MS.
232. Coast of Travancore, showing the mud bank of Alepy, with the latitude of each end, and of the outer point of the bank. *Scale, 4 inches to a mile; size, 20 inches by 28.* Date, 18th century. MS.
233. The coast of Madura from Cape Comorin to Manapad, with the soundings off Insingore. With an explanation. *Size, 20 inches by 25.* Date, 1775. MS.
234. Chart of the Maldive Islands, and the coasts of Malabar, Madura, and Ceylon. *Scale, 20 geographical miles to 1 inch; size, 33 inches by 41.* MS.

#### Ceylon.

235. Chart of Ceylon and the coast of Madura. 17th century. MS.
236. Chart of Ceylon and the coast of Madura. 17th century. Copied from an engraving. MS.
237. Chart of the eastern coast of Ceylon with enlargements of Venlos Bay, and the Batacalo River. MS.
244. Chart of the Bay of Trincomalee from the plan of D'Apres de Mannevillette. 18th century. MS.

#### Coromandel Coast.

250. Chart of the coast of Madura, from Tengepatnam to Point Calimere, and a part of the west coast of Ceylon. 17th century. MS.
252. Chart of the coast of Coromandel, between Manapad and Negapatnam, and the west coast of Ceylon from Columbo to Jaffanapatnam, with enlargements about Kaylpatnam and Calpentyn. 17th century. MS.
254. Chart of the coast of Coromandel, from Tondy to Point Goddewarre (Godavery). Also a chart of the coast of Orissa. MS.

#### Bengal.

258. De Rivier van Bangala. A Dutch chart of the Hoogly from its entrance to the Dutch settlement with soundings. No date. *Scale, 12 miles to 1 inch; size, 21 inches by 30.*
258. The River of Bangala on the Hoogly with the coast to Point Palmyra.
259. Chart of the River Ganges (Hoogly) from a native survey. 17th century. MS.
260. The Ganges. 1735. MS.

#### Tonquin Gulf.

269. Chart, of the Gulf of Tonquin, Hainan, and Macao. Date, 17th century. *Scale, 30 miles to 1 inch; size, 21 inches by 30.* MS.



## II. VIEWS, MAPS, AND PLANS.

*Mesopotamia.*

863. View of Bassora, with a plan of the town and a view of the Castle of "Gordelaan." On one sheet. *Size, 20 inches by 28.* Date, 1667. MS.

*Persian Gulf.*

864. View of Gombroon, with English and Dutch factories. *Size, 14 inches by 28.* Date, 17th century. MS.  
 865. Ground plan and elevation of projected Dutch factory at Gombroon. *Size, 32 inches by 40.* Date, 17th century. MS.  
 866. View of the fortress of Kishm, with a memoir. *Size, 16 inches by 21.* Date, 1645. MS.

*Kattywar.*

867. Plan of town and fortress of Din, with explanatory notes. *Size, 21 inches by 29.* Date, 17th century. MS.

*India.*

868. Routes between Ahmadabad, Cambay, and Surat. *Size, 18 inches by 25.* Date, 17th century.  
 869 to 875. Plans of Dutch factories and buildings in Surat. On 8 sheets. Date, 17th century.  
 876, 877. Plans of factories at Broach. On 4 sheets. 1699.  
 878, 879. Plan and view of the Dutch factory in Ahmadabad. On 2 sheets. *Size, 18 inches by 24.* Date, 1697.  
 880. A view of the Dutch factory at Agra. *Size, 21 inches by 26.* Date, 1699.  
 881. "De Kusten van Malabar en Koromandel." A map of southern India and a part of Ceylon, after De L'Isle and Bruzen la Martinière. *Scale, 55 geographical miles to 1 inch; size, 15 inches by 15.*  
 882. Chart of the Malabar coast and backwaters, without soundings, showing rice cultivation from River Chetwa to Coylang (Quilon) by Joh. Wilh. de Graaf. *Size, 19 inches by 138.* Date, 1767.  
 883. Another copy, with views of the mountains. Drawn by A. Heidenreich. *Scale, 3 geographical miles to 1 inch; size, 17 inches by 140.*  
 884. Another copy. *Size, 25 inches by 138.*  
*See also No. 229.*  
 885. Plan of Vingurla, with a view and plan of the Dutch factory. *Size, 20 inches by 28.* Date, 1678.  
 886. Plan of Barselor (Colloor, or Barkaloor), with a view and plan of the Dutch factory. *Size, 19 inches by 28.* Date, 17th century.  
 887. View of Mangalor, with some soundings in Dutch feet. *Size, 13 inches by 28.* Date, 17th century.  
 888. Plans of the forts of Cananor, Cranganor, and Coylan, with a view and plan of the Dutch factory at Calikoilan. *Size, 21 inches by 28.* Date, 1678.  
 889. Plan of the Fort of Cannanoor, with a Section of the Fortifications. By H. G. Faarant, Ensign. *Size, 20 inches by 29.* Date, 1696.  
 890. Two Plans for altering the Fort of Cannanoor. By Captain E. Paravicini de Capelli and Lieutenant N. Guyard, both of the Dutch Engineers. *Size, 22 inches by 34.* Date, 1767.  
 891. Plan for altering the Fort of Cannanoor. No. 2. By C. A. Luepken and C. P. Keller. *Size, 22 inches by 33.* Date, 1767.  
 892. Plan of the Fort and Rivers of Cranganor, with views. *Size, 20 inches by 29.* Date, 1678.  
 893. Plan of the Fort of Cranganor, with a Section of the Fortifications. By H. G. Faarant, Ensign and Engineer. *Size, 17 inches by 21.* Date, 1678.

894. Plan of the fortified town of Cochin and Fort Orange, on the Vypeen; with a project for a Fort. By M. E. Proot. *Size, 28 inches by 58. Date, 1663.*
895. Plan of Cochin, with a project for its fortification. *Size, 20 inches by 28. Date, 1663.*
896. An Isometrical Plan of Cochin. *Size, 21 inches by 29. Date, 1677.*
897. Plan of Cochin and Fortifications, with Maps of Travancore and Madura, and of Cranganore River. *On 2 sheets mounted together. Size, 13 inches by 17. Date, 1680.*
898. Plan of Cochin. *Size, 20 inches by 28. Date, 1691.*
899. Plan of Cochin, with Section of Fortifications. By Sergeant H. G. Faarant. *Size, 21 inches by 29. Date, 1696.*
900. Plan of the Fortifications of Cochin. No. 1. By W. O. Massenfeld and D. Zynen, Captain and Lieutenant of Engineers. *Size, 21 inches by 43. Date, 1765.*
900. Plan, Section, and Elevation of projected Work for the town of Cochin. *Size, 21 inches by 29.*
900. Sections of the Coast of Cochin, with high and low water Levels. *Size, 20 inches by 56.*
901. Plan for the Fortification of Cochin. By D. Zynen. *Large scale; size, 42 inches by 63. Date, 1767.*
903. Plan of Projects for fortifying Cochin. By E. Paravicini de Capelli and N. Guyard, Captain and Lieutenant of Engineers. *Size, 55 inches by 51. Date, 1767.*
904. Plan for the Fortification of Cochin. *Size, 44 inches by 68. Date, 1767.*
- 905, 6. Plans of the Fort of Cochin. By the surveyor, Carl von Krause. *Size, 19 inches by 30. Date, 1782.*
907. Plan of the Fort and Environs of Cochin. By A. A. Buiskes. *Size, 26 inches by 28. Date, 18th century.*
908. Plan of portions of the Fortifications of Cochin, with proposed alterations. By Reimer, Major of Engineers. *On 4 sheets. Date, 18th century.*
909. Plan of Fortifications for Cochin. Designed by Major Reimer; drawn by Heidenreich. *On 4 sheets. Date, 18th century.*
910. Plan of the Fortifications of Cochin. After a sketch by Major Reimer; drawn by Baron von Lynden. *Size, 19 inches by 34.*
911. Two Maps of the Island of Vypeen, with Redoubts and Batteries. By F. C. Heupner. *Size, 14 inches by 21. Date, 1793.*
912. Plan of the Fortress of Coylan (Quilon). By Hans George Faarant and L. N. van Duyrendaal. *Size, 20 inches by 29. Date, 1687.*
913. Plan and Section of Works in the Fortress of Coylan (Quilon). *On 2 sheets. Size of each, 20 inches by 28. Date, 1703.*
914. Plan of a projected Factory in Coylan. *Size, 13 inches by 16. Date, 1766.*
- 915 to 922. Eight Plans of Military Posts in Malabar (to accompany the Report of the Expedition of Sergeant-Major Hans Frederick Bergman), as follows:—  
Padricotta Parri, Edatouritti, Maparany, Chettuwa, Poedoeconatte, Aynamaka, Papenette, and Poetenbare.
923. A Map of the Island of Ceylon. By J. C. Toorzee, Engineer. 17th century.

## 5. MAPS OF THE RIVERS AND CANALS OF INDIA.

### (a.) WITH OUTLETS AT THE HEAD OF THE BAY OF BENGAL.

#### THE GANGES RIVER.

*Tassin's Atlas of the Ganges, 1835.*

Maps of the Rivers HOOGLY, BHAGRUTTEE, JELLINGHEE, GANGES, and JUMNA from Calcutta to the Himalaya range. Compiled from the most accurate surveys by J. B. Tassin. Calcutta, 1835. On 7 sheets, with Index map. In 1 vol., oblong 4to., cloth.

#### THE DELTA.

*Tassin's Atlas of the Delta, 1840.*

INLAND NAVIGATION in EASTERN INDIA. Chart delineating the river navigation to Assam from the Presidency, by the Soondurbun Passage, as well as by the Jellinghee and Matabhanga rivers; also to Chittagong, Dacca, Mymensing, and Silhet. Compiled from the most authentic materials, in the office of the Surveyor General of India. Lithographed by order of Government, and published with an Index Map, by J. B. Tassin. Calcutta, 1840. Scale, 4 miles to 1 inch. In one vol. large 4to., cloth.

*Note.*—The following documents have been consulted in the construction of this chart:—

Survey of the Brahmapootra and Jenai, by Captain Wilcox, 1830–31; Unfinished continuation of Brahmapootra Survey, by Lieut. Ommanney, 1831–35; Map of the Jessore Embankments, by Lieut. Fitzgerald, 1824–25; Navigation between the Ganges and Soondurbun Passage, by Lieut. Schaleh, 1821; Survey of the Soondurbuns, by Captains W. and E. Morrieson, 1811–18; Survey of the Jellinghee and Matabhanga, by J. S. May, 1828; Chart of the Hoogly and Ganges to Allahabad, by Captain Prinsep, 1828; Survey of the Hoogly, by Captain Lloyd, I.N., 1835–36; Survey between Silhet and Sowara, by Lieut. J. Fisher, 1829; Map of the Soondurbuns, by Lieut. Hodge; Maps of Bengal, by Rennell.

*Rennell's Surveys of the Delta, 1876.*

#### 1. *The Reduced General Maps.*

A Map of the great RIVER GANGES, from JELENGHEE to its junction with the MEGNA, including its several branches on both sides as far as they have been surveyed; together with the River Megna from Luckipour to the mouth of the Isamuty, and the environs of the city of Dacca. 1767. Scale, 3 miles to 1 inch; size, 27 inches by 53. MS.

A Map of the DENOSPOUR or RAAGEGUNGE RIVER from its junction with the GANGES to RAAGEGUNGE, containing near 200 miles of the course of the River. Surveyed in 1766 and 1767 by Messrs. Rennell and Richards. Scale, 3 miles to 1 inch; size, 13 inches by 47. MS.

\* \* \* This map is a continuation of the foregoing towards the north-west. The writing is upside down.

## 5. MAPS OF THE RIVERS AND CANALS.

### 2. Rennell's Original Surveys.

The GANGES from the JELENGHEE to the MEGNA. *Scale, 500 yards to 1 inch. In 14 parts, as follows:—*

#### PART I.

A Survey of the SOUTHERN BANKS of the great RIVER GANGES from the mouth of the JELENGHEE towards DACCA, made by order of the Hon. Henry Van Sittart, Esq., Governor of Fort William, &c. By James Rennell, Surveyor. No. 1, from Jeleengue to Damadur, containing about 61 English miles. *Scale, 500 yards to 1 inch; size, 34 inches by 75. MS.*

#### PART II.

A Survey of the SOUTHERN BANKS and CHANNELS of the great RIVER GANGES, from the head of the JELENGHEE towards DACCA. No. 2, from Damadure to Custee, in distance 17 statute miles. J. Rennell, Surveyor, 1764. *Scale, 500 yards to 1 inch; size, 29 inches by 41. MS.*

#### PART III.

A Survey of the SOUTHERN BANKS and CHANNELS of the great RIVER GANGES, from the head of the JELENGHEE towards DACCA. No. 3, from Custee to Oddegjea, in distance 20 statute miles. J. Rennell, Surveyor, June 1764. *Scale, 500 yards to 1 inch; size, 32 inches by 62. MS.*

#### PART IV.

A Survey of the SOUTHERN BANKS and CHANNELS of the great RIVER GANGES, from the head of the JELENGHEE towards DACCA. No. 4 and last containing from Oddegjea to Saatpour, in distance 15 statute miles, likewise 7 miles of Maudapour Creek from the head to Malecat. J. Rennell, Surveyor. N.B.—This, with the other three drafts, contains 83 British statute miles of the great Ganges. June 1764. *Scale, 500 yards to 1 inch; size, 50 inches by 29. MS.*

#### PART V.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER towards LUCKEYPOUR, by J. Rennell, Surveyor. No. 5 containing from Saatpour to Betturey, in distance  $26\frac{1}{2}$  statute miles. *Scale, 500 yards to 1 inch. Magnetic variation  $1^{\circ}$  West. Size, 30 inches by 68. MS.*

#### PART VI.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER towards LUCKEYPOUR, by J. Rennell, Surveyor. No. 6 containing from Betturey to Sauppour, in distance  $11\frac{1}{2}$  statute miles. *Scale, 500 yards to 1 inch. Magnetic variation  $1^{\circ}$  West. Size, 42 inches by 21. MS.*

#### PART VII.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER to LUCKEYPOUR, by J. Rennell, Surveyor. No. 7 containing from Sauppour to the mouth of Hageagunge Creek, in distance 10 miles and a half. *Scale, 500 yards to 1 inch. October 1764. Variation of the magnetic needle from  $17^{\circ}$  E. to  $50^{\circ}$  W. Size, 18 inches by 46. MS.*

## PART VIII.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER to its conflux with the BARAMPUTRY, by J. Rennell, Surveyor. No. 8 containing from Hagiagunge Creek to Bromgunge, in distance  $19\frac{1}{2}$  statute miles. October 1764. *Scale, 500 yards to 1 inch; size, 23 inches by 65.* MS.

## PART IX.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER to its conflux with the BARAMPUTRY, by J. Rennell, Surveyor. No. 9 containing from Bromgunge to Binetty, in distance  $13\frac{1}{2}$  statute miles. November 1764. *Scale, 500 yards to 1 inch; size, 49 inches by 27.* MS.

## PART X.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER to its conflux with the BARAMPUTRY, by J. Rennell, Surveyor. No. 10 containing from Binetty to Gozarya, in distance  $18\frac{1}{2}$  statute miles. *Scale, 500 yards to 1 inch; size, 54 inches by 21.* MS.

## PART XI.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER to its conflux with the BARAMPUTRY, by J. Rennell, Surveyor. No. 11 containing from Gozarya to Soynary, in distance 14 statute miles. November 1764. *Scale, 500 yards to 1 inch; size, 29 inches by  $21\frac{1}{2}$ .* MS.

## PART XII.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER to its conflux with the BARAMPUTRY, by J. Rennell, Surveyor. No. 12 from Soynary to Chormodanya Creek, in distance 10 statute miles. November 1764. *Scale, 500 yards to 1 inch; size, 21 inches by 35.* MS.

## PART XIII.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER to its conflux with the BARAMPUTRY, by J. Rennell, Surveyor. No. 13 containing (from the mouth of Chormodanya Creek to the conflux of the Eastern and Western Rivers, and likewise part of Mendygunge Creeks). 8 miles. November, December, 1764. *Scale, 500 yards to 1 inch; size, 30 inches by 21.* MS.

## PART XIV.

An exact Survey of the great RIVER GANGES from the head of JELENGHEE RIVER to its conflux with the BARAMPUTRY, by J. Rennell, Surveyor. No. 14 containing part of the North Channel by Mendygun, &c., in distance  $7\frac{1}{2}$  miles from Assyour to Comerally. December 1764. *Scale, 500 yards to 1 inch; size, 23 inches by 21.* MS.

## THE MEGNA RIVER, 1876.

1. *Reduced General Map.*

A General Map of the MEGNA and other Rivers, which form the nearest passage from LUCKYPOUR to Dacca in the dry season, including likewise the Creek of Chiddypour or Lurieule, which affords a short passage from the Megna to the Ganges. Reduced from the original surveys by J. Rennell, Surveyor. 1765. With a Plan of the British Factory at Dacca on a larger scale. *Size, 20 inches by 27; scale, 2 miles to 1 inch.* MS.

2. *The Megna Survey.*

An exact Survey of the RIVER MEGNA from its conflux with the GANGES to CASSEMPOUR, reduced from the original survey to a scale of 2 inches to a statute mile, by J. Rennell, Surveyor. 1765. No. 1 containing the western shore of the Megna from the Ganges to Doycalley Point, in distance 9 statute miles. *Scale, 2 inches to 1 mile; size, 21 inches by 23.* MS.

An exact Survey of the RIVER MEGNA, &c. by J. Rennell, Surveyor. No. 2 containing from Doycalley Point to Saddoukpour, in distance 19 statute miles. 1765. *Scale, 2 inches to 1 mile; size, 21 inches by 43.* MS.

An exact Survey of the RIVER MEGNA, &c. by J. Rennell, Surveyor. No. 3 containing from Saddoukpour to Beerackondy, in distance 22 miles. 1765. *Scale, 2 inches to 1 mile; size, 21 inches by 43.* MS.

An exact Survey of the RIVER MEGNA, &c. by J. Rennell, Surveyor. No. 4 containing from Berackondy to the mouth of the Issamutey River, and the Issamutey to Feringybazar, in distance 15 miles. 1765. *Scale, 2 inches to 1 mile; size, 21 inches by 30.* MS.

An exact Survey of the RIVERS and CREEKS between FERINGYBAZAR and DACCA, being a continuation of the rout from Luckypour to Dacca, with exact plans of Iddyracpour and Daapeka Kellas, by J. Rennell, Surveyor. No. 5 and last of the survey containing 15 statute miles. *Scale, 2 miles to 1 inch; size, 21 inches by 30.* MS.

## COMER CREEK. In VI. parts. 1764.

A general Sketch of the EASTERN BRANCH of the COMER CREEK, by J. Rennell, Surveyor. No. 1, from the head near Motrapour to Cardya, in distance 41 miles. July 1764. *Scale, 1 inch to 1 mile; size, 14 inches by 16.* MS.

A general Sketch of the EASTERN BRANCH of COMER CREEK, by J. Rennell, Surveyor. No. 2, from Cardya to the Ganges, in distance by the Creek, 45 miles. July 1764. *Scale, 1 inch to 1 mile; size, 15 inches by 21.* MS.

No. 3 is wanting.

No. 4. A Survey of that part of COMER CREEK which unites the northern part of the BURRASHE and BURRASAAT with part of the Burra-saat, containing 16 British miles. July 1764. *Size, 37 inches by 20.* MS.

No. 5. A general Sketch of the WESTERN BRANCH of COMER CREEK, from the head of the Burrasaat eastwards, to LUCKEYPOUR westwards. With the depths of water in the dry season, particularly described by J. Rennell, Surveyor. *Size, 15 inches by 21.* MS.

No. 6. A general Sketch of the navigable part of the NORTHWEST BRANCH of COMER CREEK, including the parts known by the names of the Lettydoman, Culsedaw, and Bacout Creeks, and containing near 21 British miles, by J. Rennell, Surveyor. July 1764. *Scale, 2 inches to 1 mile; size, 12 inches by 28.* MS.

*Maudapour Creek.* In III. parts. 1764.

The first part is in Rennell's Ganges, Part 4.

Survey of MAUDAPOUR CREEK, No. 2, from MALEEAT to SERAMPOUR, distance  $20\frac{1}{2}$  statute miles, by J. Rennell, Surveyor. June, July, 1764. *Scale, 500 yards to 1 inch; size, 38 inches by 28.* MS.

Survey of MAUDAPOUR CREEK, No. 3, from SERAMPOUR to the head of the BURRASHE, in distance 18 British miles. J. Rennell, Surveyor. July 1764. *Scale, 500 yards to 1 inch; size, 21 inches by 23.* MS.

*Custee Creek, 1764.*

A particular Plan of CUSTEE CREEK from the head to the bar, surveyed 9th June 1764, by J. Rennell, Surveyor. *Size, 12 inches by 17.* MS.

*Chiddypour Creek, 1765.*

A Map of CHIDDYPOUR or LURICULE CREEK, which runs across the country from the Ganges to the Megna, and lies in the direct road from Sunderboud to Dacca. 1765. By J. Rennell. *Scale, 2 inches to 1 British mile; size, 15 inches by 21.* MS.

*Luckya River, 1765.*

A general Map of the LUCKYA RIVER, from its separation from the Baramputrey to its conflux with the Issamuty and Megna, with Noranda Creek and the environs of the city of Dacca. 1765. By J. Rennell. *Scale, 3 miles to 1 inch; size, 15 inches by 21.* MS.

*Bally Creek.*

Survey of BALLY CREEK, by J. Rennell, Surveyor. Without title. *Scale, about 500 feet to 1 inch; size, 12 inches by 20.* MS.

*The Ganges, &c. Wilford's Observations.*

FIELD BOOK of a SURVEY undertaken to find the Difference of Level between the GANGES and BOGRUTTY RIVERS. Observations on the Ganges, Cossimbazar, and Jellinghee Rivers. No date. Signed F. Wilford, Lieut. Surveyor. On 13 pages, 4to. stiff cover. MS.

OBSERVATIONS on the GANGES, COSSIMBAZAR, and JELLINGHEE RIVERS. Signed F. Wilford, Lieut. of Engineers and Surveyor. No date. On 9 pages, foolscap.

*Channel Creek, 1770 and 1788.*

A Copy of CHANNEL CREEK from George's Point to the Sea, taken from Mr. Lacam's Survey Plan (1770). Showing how far it differs from what the channel is at present, inasmuch as the soundings and judgment of the gentlemen of the Deputation could determine, between the 4th and 15th of October 1788. The copy is drawn in black; the present state of the channel is in red. Signed James Caldwell, Lieut. of Engineers. *Scale, 2 inches to 1 nautical mile; size, 98 inches by 38.* MS.

*The Hooringottah Rivers by Ritchie.*

Survey of HOORINGOTTAH and MUDOMUTY Rivers. No title. Surveyed in the years 1768 and 1769, by John Ritchie. *Size, 47 inches by 16.* MS.

*Mutlah River.*

- No. 1. Plan of Part of the RIVER MUTLAH (near Canning Town, with Soundings). *Scale, 1000 yards to 1 inch; size, 15 inches by 13.* On tracing cloth. MS.
- No. 2. Plan showing a Part of the RIVER MUTLAH at Port Canning, the bank of which requires protection immediately. Taken from the survey made by Messrs. Sieveking and Downes in 1836. Calcutta, 1866. *Scale, 400 feet to 1 inch; size, 20 inches by 26.*
- No. 3. Section of River at PORT CANNING. *See Plan No 1.* *Scale, 100 feet to 1 inch; size, 28 inches by 37.* On tracing cloth. MS.
- No. 4B. Design of Quay Wall suggested in Report. *Size, 20 inches by 26.*
- No. 5. Section at Railway Jetty.

*The Hooghly River.*

- A Draught of HOOGLY RIVER from CALCUTTA to BALASORE ROAD, CHANNEL CREEK, &c., to MUTTWALL RIVER. 1767. *Scale, 4 miles to 1 inch; size, 21 inches by 28.* MS.
- A Plan of the OUTLET of the RIVER HUGHLY from CULPEE downward, as it was surveyed in the year 1770 by John Ritchie, Surveyor. *Scale 2 miles to 1 inch; size, 36 inches by 22.* MS.
- A Plan of the MOUTH of the HOOGLY RIVER, surveyed by John Ritchie, 1770. *Scale, 2 miles to 1 inch; size, 36 inches by 26.* MS.
- A Plan of the ENTRANCE of HOOGLY RIVER, particularly distinguishing the NEW CHANNELS and the position of the BUOYS, March 1783. By J. Ritchie. *Scale, 1 mile to 1 inch; size, 36 inches by 56.* MS.
- Plan of THORNHILL'S CHANNEL, so named by the Marine Board after Cudbert Thornhill, Esq., M.A.H., under whose directions it was surveyed, March 1807. *Scale, 1 mile to 1½ inch; size, 27 inches by 48.* MS.
- THORNHILL'S CHANNEL from the latest Survey executed by Lieut. J. S. Criddle, Second Assistant to the Marine Surveyor in March 1818. *Scale, 2 miles to 1 inch; size, 16 inches by 18.* MS.
- A Survey of LACAM'S CHANNEL, from the lower part of Earl of Moira's Harbour to Sea, by Lieut. W. Maxfield, First Assistant to Marine Surveyor General, 1816. *Scale, 2 inches to 1 mile; in 3 parts.*
- A Survey of CHANNEL CREEK, from Frederick Point to Earl Moira's Harbour, by Lieut. William Maxfield, First Assistant to Marine Surveyor General, 1816. *Scale, 2 miles to 1 inch; size, 26 inches by 54.* MS.
- A Trigonometrical SURVEY of the RIVER HOOGLY, from Calcutta to Kulpee, by Commander Rd. Lloyd, I.N., Officiating Marine Surveyor General, 1835. Sheet I. *Scale, 2 inches to 1 nautical mile; size, 53 inches by 63.* MS.
- A Trigonometrical SURVEY of the RIVER HOOGLY, from Diamond Point to Sanger Point, by Commander Rd. Lloyd, I.N., Officiating Marine Surveyor General, 1835 and 1836. Sheet II. *Scale, 2 inches to 1 nautical mile; size, 53 inches by 76.* MS.



**TOPOGRAPHICAL SURVEY of the RIVER HOOGLY**, from Bandel to Garden Reach, exhibiting the principal buildings, ghauts, temples, &c. on both banks, and comprising the Danish settlement of Serampoor, cantonments and park of Barrackpoor, together with the settlements of Chinsurah, Chundunnuggur, and environs of Hoogly. With the great road from Calcutta to Hooghly, viâ Palta Ghaut. Executed in the year 1841. By Charles Joseph, Calcutta, 1841. *Scale, 4 miles to 1 inch; size, 9½ feet by 2½.*

**Map of the RIVER HOOGLY**, with a Design for a Steam Ferry Bridge for connecting its shores at Calcutta. To accompany a private Report by A. Henderson, Esq., and Charles Greaves, C.E. *Size, 20 inches by 30.*

**Map of the HOOGLY**, with the City and Port of Calcutta, showing the site of the proposed Docks, the present anchorage and moorings and the line of railway to the north and west. By A. Henderson and Charles Greaves. 1853. *Scale, about 1900 feet 1 to inch; size, 17 inches by 22.*

**Plan of the RIVER HOOGHLY** with Seebpoor, Howrah, Sulkeah, and Ghosrec. Surveyed in July and August 1856 by Sectaram Misser, Native Assistant Surveyor of the 4th Division, Lower Provinces. Under the superintendence of Major H. L. Thuillier, Deputy Surveyor General. *Scale, 14 inches to 1 mile; size, 76 inches by 51.* MS.

\* \* \* See also, Chart of the River Hoogly, Calcutta Meridional Series, p. 21.

**REPORT on the RIVER HOOGHLY**, by Hugh Leonard, C. E., Bengal, 1865. With plans to accompany the Report. In two parts. Fcap., printed cover.

**The ENTRANCES to the HOOGHLY** (combining the Surveys of Capt. Lloyd, 1835, Lieut. Heathcote, 1857, and Mr. Obbard, 1860. Reduced and copied by R. F. Barlow, May 1861. With notes. *Scale, 2 nautical miles to 1 inch; size, 29 inches by 22.* MS.

**The LOWER SECTION of the HOOGLY**. By C. R. Markham, July 1865. A Comparison of Ritchie's Survey in 1768-70 with Lloyd's in 1836, Bedford's in 1854, and the latest survey in 1864; with proposed works. *Scale, 1000 yards to 1 inch; size, 20 inches by 25.* MS.

**Proposed Tug Steamer and Tubular Rake for the Improvement of the RIVER HOOGLY**. By R. Napier & Sons. Glasgow, Feb. 1865. Five tracings in MS.

Nos. 1, 2, 3. Proposed iron paddle tug steamer, detail drawings. *Scales, ¼ inch and ½ inch to 1 foot.*

No. 5. Sketch of proposed Tubular Rake. *Scale, 1 inch to 1 foot; size, 16 inches by 18.*

No. 6. Sketch of proposed machine to be used for stirring the surface of shoals by the action of the current. *Scale, 1 inch to 1 foot; size, 9 inches by 16.*

**SURVEY of the RIVER HOOGLY from CALCUTTA to KULPEE**. Corrected up to date from Recent Surveys. By F. Laycock, River Surveyor, Calcutta, 15th February 1870. Sheet (or Part) No. 1, in 4 sheets. *Scale, 1000 yards to 1 inch.*

**SURVEY of the RIVER HOOGLY from KULPEE to the SANDHEADS**. Corrected up to date from Recent Surveys. By F. Laycock, River Surveyor, Calcutta, 15th February 1870. Sheet (or Part) No. 2, on 3 sheets. *Scale, 2000 yards to 1 inch.*

The ENTRANCE of the RIVER HOOGHLY from the EASTERN CHANNEL LIGHT SHIP to SANGOR LIGHT HOUSE. Surveyed, January and February, 1874. By F. Laycock, River Surveyor. *Scale, 2000 yards to 1 inch.*

DIAGRAM to show Character of Shipping arriving at Calcutta, 1852-1863. To accompanying Mr. Leonard's Report on the Hooghly, No. 12. On tracing paper. *Size, 14 inches by 12.* MS.

DIAGRAM to illustrate Arrival and Losses of Ships and Tonnage at Calcutta. 1835-1863. No. 13. On tracing cloth. *Size, 10 inches by 6.* MS.

### *Calcutta Canals.*

Map of the CIRCULAR and TOLLY'S CANALS from the Hooghly to their junction at Saumookpotha. With their Tributary streams, Toll houses, and Mutlah. *Scale, 1 mile to 1 inch; size, 37 inches by 16.* On tracing cloth. MS.

Canal Department. Tracing from a Plan of a Portion of the CIRCULAR CANAL (Calcutta), showing the position of the site selected as the most suitable for the formation of Basins. January 1857. *Scale, 10 chains to 1 inch; size, 13 inches by 37.* MS.

Canal Department. Plan of CIRCULAR CANAL, showing sites and position selected for the Basins or Wet docks, also Transverse Section, of the proposed dimensions. May 1857. *Scale, 8 inches to 1 mile; size, 12 inches by 35.* On tracing cloth. MS.

The NEW CANAL, CALCUTTA, from the Hooghly to Dhanpa, where it meets the Circular Canal. Dated, May 1857. Plans numbered 1, 2, 3. On tracing cloth. MSS.

No. 1. Tracing from a Plan of Calcutta, showing the relative positions of the Circular and New Canals. *Scale, 8 inches to 1 mile; size, 30 inches by 37.*

No. 2. Sections in line of proposed basins. *Scales, various; size, 28 inches by 23.*

No. 3. Sections in line of proposed cut to connect the Circular with the New Canal at Ooltadangah. *Scales, various; size, 14 inches by 36.*

Sketch of LOCK GATES, with Sluices. *Scale, 3 feet to 1 inch; size, 12 inches by 17.* On tracing cloth. MS.

### *Calcutta and Eastern Canals.*

Sketch Map illustrative of the works authorised and proposed on the CALCUTTA and EASTERN CANALS, and of the different places along their lines. 1859. P. W. D. Pro., 15th September 1859, No. 126. *Size, 16 inches by 25.* MS.

CIRCULAR and EASTERN CANALS and ACRA DIVISION Cross Sections on the BALLIAGHATTA CANAL. Calcutta, 1865. *Size, 20 inches by 21.*

### *Salt Water Lakes, Calcutta.*

Map of the SALT WATER LAKE, TARDA JUNGLE, and of the surrounding lands. Prepared for the use of the Salt Water Lakes Reclamation and Irrigation Company, Limited, at the Office of the Surveyor-General of India, 1865. *Scale, 4 inches to 1 mile; size, 42 inches by 64.*

Map showing the LAND applied for by the SALT WATER LAKE COMPANY, S.G.O. CALCUTTA, 1865. *Scale, 4 inches to 1 mile; size, 42 inches by 46.*

SALT WATER LAKES. Statement of Comparative Levels by Major Schalch, and Captains Thompson and Prinsep, also Messrs. Clark and O'Flaherty, Calcutta, 1865. *Size, 25 inches by 20.*

Outline Trace from a Map of part of the REVENUE SURVEY of the CALCUTTA LAND, supposed to be surveyed by Captain Claud Martin in 1760 or 1764. Calcutta, 1865. *Scale, 1 mile to 1 inch; size, 25 inches by 20.*

### *Maugrah Canal.*

Map showing the line of a CANAL from MAUGRA on the NABOGUNGAH RIVER to JOGPOOR on the Hooglee, together with some works for improving the navigation of the Matabhangah River. By John Stuart May, Superintendent Nuddeah Rivers, August 1834. *Scale, 2 miles to 1 inch; size, 70 inches by 50.* MS.

FIELD BOOK of the TOPOGRAPHICAL SURVEY of the MAUGRAH CANAL. By John Stuart May, Superintendent Nuddeah Rivers. 1835-36. Fcap. folio, half-bound. MS.

DESCRIPTION of the STRATA found in the WELLS dug along the line of the MAUGRAH CANAL between the Nabogungah and the Kubbudduk Rivers. (Signed John S. May, Superintendent Nuddeah Rivers.)

DESCRIPTION of the STRATA found in the WELLS dug along the line of the MAUGRAH CANAL, between the Kubbudduk and Hooghlee Rivers. (Signed John S. May, Superintendent Nuddeah Rivers.) No date. Fcap., paper cover. MS.

### *Maugrah Canal Sections.*

No. 1. Section exhibiting the Levels of the country between the village of MAUGRAH on the NOBOGUNGAH RIVER and GOOGGEE on the RIVER HOOGHLEE. Prepared under the orders of Government from a survey executed during the years 1835-36, 1836-37, by John Stuart May, Superintendent of Nuddeah Rivers. *Horizontal scale, 17.6 miles to 1 inch; size, 9 inches by 16 yards.* MS.

No. 1, continued. *Size, 9 inches by 16 yards.* MS.

No. 2. Same title. *Scale, reduced to 8.8 inches to 1 mile; size, 9 inches by 16 yards.* MS.

No. 3. Section exhibiting the Levels of the country through which it is proposed to lead the MAUGRAH CANAL. Prepared by John Stuart May, Superintendent of Nuddeah Rivers. 1838. *Horizontal scale, 4 inches to 1 mile; size, 7 inches by 7 yards.* MS.

No. 4. Section exhibiting the appearance of the STRATA found in several WELLS, excavated along the line of the proposed MAUGRAH CANAL, during the years 1835 and 1836. Prepared by John Stuart May, Superintendent of Nuddeah Rivers. 1838. *Size, 5 inches by 6 yards.* MS.

No. 5. Section and Plan exhibiting the number of LOCKS, FLOOD-GATES, and DAMS required for the MAUGRAH CANAL. Prepared by John Stuart May, Superintendent of Nuddeah Rivers. 1838. *Size, 4 inches by 68.* MS.

No. 7. Section exhibiting the relative Heights of the several RIVERS and NULLAHS which will intersect the proposed MAUGRAH CANAL. Prepared by John Stuart May, Superintendent of Nuddeah Rivers. 1838. *Size, 7 inches by 47.* MS.

### *Rajmahal Canal.*

RAJMAHAL CANAL. Sections showing the nature of the soil in the neighbourhood of the line; 1 sheet.

Longitudinal section; section showing the lockage during the wet and dry seasons, and transverse sections; 1 sheet.

Longitudinal section; sheets 1 to 7. *Scale, 12 inches to 1 mil.*

Rajmahal to Goomanee, sheets 1 to 6; Goomanee to Jungypore, sheets 7 to 19; Jungypore to Moorsheadabad, sheets 20 to 27; Moorsheadabad to Adji, sheets 28 to 40; Adji to Mirzapoor, sheets 41 to 47. In all, 56 sheets, size of each, 40 inches by 27.

### *Damooda and Hooghly Canal.*

The line of the DAMOODA and HOOGHLY CANAL and Areas irrigated. With a section of the Canal. Copied (on sheets of the Indian Atlas) from Sheet 1 of the original plans. 1870. *Scale, 4 miles to 1 inch; size, 26 inches by 39.*

### THE GANGES ABOVE THE DELTA.

*Rennell's Survey, 1767.* Imperfect.

GANGES, No. 2. Surveyed in June 1767. (By J. Rennell, Surveyor.) *Scale, 2 inches to 1 mile; size, 32 inches by 21.* MS.

\* \* About 15 miles of the river, above and below Colgong.

### *Tiefentaller's Map, 1784.*

Carte Générale du COURS du GANGE et du GAGRA dressée sur les cartes particulières du P. Tiefentaller, J. Missionnaire Apostolique dans l'Inde, par M. Anquetil du Perron, de l'Acad. Rle. des Inscriptions et Belles Lettres Interprète du Roi pour les langues Orientales. A Paris, 1784. *Scale, 2 miles to 1 inch; size, 26 inches by 30.*

### *Colebrooke's Survey, 1796.* Imperfect.

No. 3. Survey of the RIVER GANGES from the mouth of the COSSIMBAZAR RIVER to COLGONG, taken in December and January 1796-97, by Captain R. H. Colebrooke, Surveyor-General. *Scale, 1 mile to 1 inch; size, 69 inches by 25.* MS.

\* \* See also Hodgson's Map of the Ganges, Nos. 8, 9.

*Wood's Survey, 1800.* Hurdwar to Allahabad. In 7 parts.

Part 1. Survey of the RIVER GANGES from HURDWAR to NAHGUL, taken in the month of February 1800, under the immediate instructions of Major-General Sir James H. Craig, K.B., Commanding the Army in the Field. By Lieut. Thomas Wood, Corps of Engineers. *Size, 51 inches by 21.* MS.

Part 2. Survey of the RIVER GANGES from NAHGUL to RAMGHAUT, pointing out the various ghauts, fords, &c.; likewise of the country on the eastern bank for a considerable extent inland. Taken in the months of February and March 1800, under the immediate instructions of Major-General Sir James H. Craig, K.B., Commanding the Army in the Field. By Lieut. Thomas Wood, Corps of Engineers. *Scale, 1 inch to 1 mile; size, 112 inches by 37.* MS.

Part 3. Survey of the RIVER GANGES from RAMGHAUT to KAHDIRGUNGGE, taken in the month of March 1800. By Lieutenant Thomas Wood, Corps of Engineers. *Scale, 1 inch to 1 mile; size, 29 inches by 47.* MS.

Part 4. Survey of the RIVER GANGES from KAHDIR GUNGGE to FUTTEH GHUR, taken in the month of April 1800. By Lieutenant Thomas Wood, Corps of Engineers. *Scale, 1 inch to 1 mile; size, 39 inches by 40.* MS.

Part 5. Survey of the RIVER GANGES from FUTTEH GHUR to CAUNPOOR, taken in the month of April 1800. By Lieut. Thomas Wood, Corps of Engineers. *Scale, 1 inch to 1 mile; size, 66 inches by 50.* MS.

Part 6. Survey of the RIVER GANGES from USSNEE to CAUNPOOR, taken in the month of January 1802. By Captain Thomas Wood, Corps of Engineers. *Scale, 1 inch to 1 mile; size, 34 inches by 38.* MS.

Part 7. Survey of the RIVER GANGES from ALLAHABAD to USSNEE, taken in the month of January 1802. By Captain Thomas Wood, Corps of Engineers. *Scale, 1 inch to 1 mile; size, 80 inches by 19.* MS.

*Wood's Survey reduced. In 5 parts.*

No. 1. Survey of the RIVER GANGES from HURDWAR to NAHGUL, taken in the month of February 1800, under the immediate instructions of Major-General Sir J. H. Craig, K.B., Commanding the Army in the Field. By Lieut. Wood, Corps of Engineers. *Scale, 2 miles to 1 inch; size, 27 inches by 15.* MS.

No. 2. Survey of the RIVER GANGES from NAHGUL to RAM GHAUT, pointing out the various ghauts, fords, &c.; likewise of the country on the eastern bank for a considerable extent inland. Taken in the months of February and March 1800, under the immediate instructions of Major-General Sir James H. Craig, K.B., Commanding the Army in the Field. By Lieut. Thomas Wood, Corps of Engineers. *Scale, 2 miles to 1 inch; size, 62 inches by 23.* MS.

Nos. 3 and 4. Survey of the RIVER GANGES from RAMGHAUT to FUTTEHGHUR, taken in the months of March and April 1800. By Lieut. T. Wood, Corps of Engineers. Reduced by C. Tetley. *Scale, 2 miles to 1 inch; size, 50 inches by 23.* MS.

No. 5. Survey of the RIVER GANGES from FUTTEHGHUR to CAUNPOOR, taken in the month of April 1800. By Lieut. T. Wood, Corps of Engineers. Reduced by C. Tetley. *Scale, 2 miles to 1 inch; size, 33 inches by 26.* MS.

Copy on a reduced scale (including Parts 1, 2, 3, 4) of a Survey of the RIVER GANGES and COUNTRY ADJACENT, from FUTTEH GHUR to HURDWAR, made in the year 1800, by Lieut. T. Wood, of the Bengal Engineers. *Scale, 4 miles to 1 inch; size, 48 inches by 29.* MS.

A portion of the RIVER GANGES between FÜTTEHGHUR and CAUNPOOR, from Col. Wood's (Engineers) Survey.. Reduced from Part 5. *Scale, 4 miles to 1 inch ; size, 17 inches by 8.* MS.

*Webb's Route Survey of the Sources of the Ganges and Jumna, 1810.*

Survey to GANGOTRI, by Lieut. Webb, 1810. The General Map. *Scale, 24 miles to 1 inch ; size, 18 inches by 13.* MS.

The same on the scale of 1 inch to 1 mile ; in 12 sheets of various sizes. No title. MS.

*Hodgson's Map of the Ganges, 1828.*

(The following sheets are parts of a series designed to include the various surveys of the Ganges in a uniform style, under the direction of Colonel Hodgson, Surveyor-General in 1828.)

No. 8. Survey of the RIVER GANGES, from BHERYAH to CHUNARGUR, taken in the month of November 1801, by Major R. H. Colebrooke, Surveyor-General. Copied in the Surveyor-General's Office, Calcutta, in November 1828, for the Honble. Court of Directors. *Scale, 1 inch to 1 mile ; size, 27 inches by 99.* MS.

No. 9. Survey of the RIVER GANGES, from CHUNARGUR to ALLAHABAD, taken in the month of December 1801, by Major R. H. Colebrooke, Surveyor-General. Copied in the Surveyor-General's Office, Calcutta, in October 1828, for the Honble. Court of Directors. *Scale, 1 inch to 1 mile ; size, 28 inches by 74.* MS.

No. 10. Survey of the RIVER GANGES, from ALLAHABAD to USSNEE, taken in the month of January 1800, by Captain Thomas Wood, Corps of Engineers. Copied in the Surveyor-General's Office, Calcutta, in November 1828, for the Honble. Court of Directors. *Scale, 1 inch to 1 mile, size, 25 inches by 84.* MS.

*Prinsep's Gangetic Atlas, 1829.*

An Atlas of the GANGES and its OUTLETS, from ALLAHABAD to CALCUTTA, accompanying a letter from Mr. Secretary Prinsep, dated 22nd September 1829. No general title. In 1 Vol. Oblong folio. Half-bound.

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1. The River Ganges, from Allahabad to Mohungunj. In 6 plates, as corrected from the old surveys of Major R. H. Colebrooke, dated 1801, to its present course. By Thos. Prinsep, Capt. Engineers, in Sept.-Oct. 1828. *Scale, 2 miles to 1 inch.*
2. The River Bhagruttee. Compiled from the surveys of Major R. H. Colebrooke, J. S. May, Esq., and Capt. Fitzgerald, Engineers, exhibiting its present appearance in Sept.-Oct. 1828. By Thos. Prinsep, Capt. Engineers. *Scale, 2 miles to 1 inch.*
3. The River Hoogly, from Calcutta to Nuddya, from the surveys of Major R. H. Colebrooke, with corrections to its present course in Sept.-Oct. 1828. By Thos. Prinsep, Capt. Engineers. *Scale, 2 miles to 1 inch.*
4. The River Jellenghee. From a survey executed in the year 1828. By J. S. May, Esq., Superintendent of Nuddya Rivers. *Scale, 2 miles to 1 inch.*
5. The River Metabhunga. From a survey executed by J. S. May, Esq., Superintendent of Nuddya Rivers, 1827. *Scale, 2 miles to 1 inch.*

6. The River Ganges, from Mohungunj to Rajapoor, or from the mouth of the Bhayruttee to the mouth of the Matabhunga. From a survey executed by J. S. May, Esq., Superintendent of Nuddya Rivers. *Scale, 2 miles to 1 inch.*

In the same cover,—

1. Notes to accompany the Charts of the Ganges. (By Capt. Prinsep, H. C. Engineers, 1828.) 8vo., 40 pages, sewed.
2. Précis of Reports, Opinions, and Observations on the Navigation of the Rivers of India by Steam Vessels. London, 1831. (By Lieut. James H. Johnson, R.N., commanding Hon. Company's Steam Vessels. 31 pages demy 8vo., sewed.

*Ganges Navigation. 1845–50, 55.*

Journal of an EXPERIMENTAL VOYAGE up the GANGES, on board the Honourable Company's Steamer Megna, J. Digney, Commander. July to September, 1845. Printed by Order of Government. Calcutta, 1846. Fcap., paper cover.

Documents regarding the NAVIGATION of the GANGES from ALLAHABAD to REVULGUNGE at the Mouth of the Gogra. Fcap., bound together in paper cover.

1. Report upon the Ganges River, with suggestions for improving its navigation. By F. H. Simms, Esq.
2. The Causes of the Impediments met with by up-country Steamers in March and April, and how to be obviated. By Capt. A. H. E. Boileau, Engineer.
3. Remarks on Report No. 1. By Capt. W. M. Smyth.
4. Memorandum on the Improvement of the Navigation of the Ganges between Allahabad and Revelgunge. By E. A. Reade, Esq., Commissioner of Benares Division.
5. Letter from A. Shakespeare, Esq.
6. On the Difficulties of Navigating the Ganges, with maps and plans. By Capt. W. M. Smyth, Engineer.
7. On the Navigation of the Ganges, and the Removal of Obstructions therein. By E. A. Reade, Esq.
8. Remarks on Reports and Improvements on the Ganges between Allahabad and Revelgunge.
9. Instructions by the Commissioner of Benares to the River Inspector for ascertaining the Traffic of Boats with accuracy.
10. Abstract of the Register of Boats proceeding upwards, from July 1st 1847 to June 30th 1848, within the Benares Division.
11. Operations for the Improvement of the Navigation of the Ganges from Revelgunge to Allahabad, during the season 1849–50. Calcutta, 1851. Fcap., paper cover.

A Draught for Building an IRON STEAM FERRY BOAT for use on the RIVER GANGES at BENARES. To accompany letter No. 92 of 3rd October 1855, from the Chief Superintending Engineer of the Kidderpore Steam Foundry. *Size, 26 inches by 64. MS. tracing.*

*Lower Provinces Revenue Survey, 1863 to 1869.*

GANGES RIVER SURVEY. Sheet No. 1. Portions of Rivers Gunduck, Gogra, and Ganges, from the limits of District Goruckpoor, N. W. P. on the West, to the city of Patna on the East. 1863 to 1865.

Sheet No. 2. Portion of Ganges River, 1865 to '67. (Continuation from Patna to Rajmahal.)

Sheet No. 3. Portions of Rivers Ganges and Jumoonah. 1867 to '69. (Continuation from Rajmahal to Goalundo.)

*Ganges Canal.*

Report of the SPECIAL COMMITTEE appointed to examine the project of the GANGES CANAL. Dated February 1842. Printed at Calcutta 1845. Fcap., paper cover.

Another edition printed at Agra 1842. Crown 8vo., yellow cover.

Report on the GANGES CANAL from HURDWAR to CAWN-PORE and ALLAHABAD. (By Captain P. J. Cautley.) Printed by Order of Government. Calcutta, 1845. Fcap., paper cover.

Report on the GANGES CANAL WORKS, from their commencement until the opening of the Canal in 1854. By Colonel Sir Proby T. Cautley, K.C.B., F.R.S., late of the Bengal Artillery, Honorary Member of the Asiatic Society of Bengal, and late Director of the Ganges Canal Works. Plans. Printed by order of the Secretary of State for India in Council. London: 1860. Sixty-six Plates, in one volume, folio, half-bound.

Report by Captain J. Crofton, R.E., on MEASURES to be taken in REMODELLING the GANGES CANAL, with Appendices and Estimates. Maps (one) and Plans (LIX. including the Map), in a separate cover. 1864. Foolscap folio, in stiff covers.

Also, the coloured Drawings from which the Plans were lithographed, in 63 sheets, imperial folio. MS.

GANGES CANAL. A disquisition on the Heads of the Ganges and Jumna Canals, North-West Provinces, in reply to strictures by Major-General Sir Arthur Cotton. By Col. Sir Proby T. Cautley, K.C.B. London, 1864. Octavo, boards.

*Lower Ganges Canal.*

No. 1. Index Map, showing the course of all CHANNELS and DISTRIBUTARIES, existing and proposed. *Scale, 4 miles to 1 inch; size, 36 inches by 82.* On tracing cloth. MS.

No. 4. Survey of the GANGES KHADIR, in the neighbourhood of Rajghat. *Scale, 4 inches to 1 mile; size, 12 feet by 45.* On tracing cloth. MS.

Nos. 16 and 17. MAIN CANAL. (Section of the Surface of the ground; proposed Bed-levels; Depths of Cutting, and Heights of Embankment. On tracing cloth. MS.

No. 15A. Plan of Site of the HEADWORKS and proposed STATION at NUROWRA. *Scale, 300 feet to 1 inch; size, 27 inches by 29.* On tracing cloth. MS.

No. 34. Project for the LOWER GANGES CANAL, Weir across the Ganges. *Scale, 15 feet to 1 inch; size, 36 inches by 58.* On tracing cloth. MS.

*Doab (Eastern Jumna) Canal.*

A Map of the DOOAB CANAL. Surveyed by James Tod, Lieut. and Surveyor, 1810. *Scale, 4 miles to 1 inch; size, 31 inches by 11.* MS.

Survey Plan of the DOOAB CANAL, executed during the reign of Mahommed Shah, A.D. 1733, by James Tod, Lieut. Surveyor, and attached to the Residency at Sindia's Court. Dec. 1st, 1810. Copied from the original map in the Surveyor-General's Office, Calcutta, Dec. 6th, 1822. In two parts. *Scale, about 1½ miles to 1 inch; size, 54 inches by 300.* MS.



Notes and Memoranda on the EASTERN JUMNA or DOAB CANAL, NORTH-WEST PROVINCES. Feb. 12, 1845. (By Capt. P. J. Cautley.) Fcap., paper cover.

Sketch Map of the DOAB CANAL showing the existing Rajbhuas and the extension proposed for the completion of the Rajbhuas System on that canal. Signed by Major W. E. Baker and Lieut. R. Baird-Smith. Date about 1844. *Scale, 4 miles to 1 inch ; size, 39 inches by 12.*

CALEE NUDDEE and MEERUT CANAL. Sheet 33A. Plans and sections of works proposed for the purpose of conveying the stream of the River Hindun by the channels of the Seela and West Calce Rivers to the Meerut Canal. 1831. *Size, 25 inches by 32.* MS.

Irrigation Map of the GANGES-JUMNA DOAB, N. W. P., showing the entire system of canals proposed for its irrigation. Corrected to 31st March 1874. *Scale, 8 miles to 1 inch ; size, 24 inches by 63.*

General Map of the proposed SYSTEM of CANALS to water the DOAB between the Ganges and Ramgunga Rivers. 24th March 1870. *Scale, 8 miles to 1 inch ; size, 25 inches by 18.* On tracing cloth. MS.

### *Western Jumna Canal.*

General Map of the WESTERN JUMNA CANALS. (Extending from the Jumna to the Guggur.) No date. *Scale, 4 miles to 1 inch ; size, 37 inches by 42.* On tracing cloth. MS.

General Map of the WESTERN JUMNA CANALS, 1867. Signed by Major Crofton. (Extending from the Jumna to the Chittung.) *Scale, 4 miles to 1 inch ; size, 37 inches by 42.* On tracing cloth. MS.

WESTERN JUMNA CANALS. Map No. 4. Index Map to New Hansi Branch Canal and Extension to Koojeeah Dher. *Scale, 8 miles to 1 inch ; size, 25 inches by 30.* On tracing cloth. MS.

Map of PROPOSED CANALS for irrigating land between the Guggur River and Nujufghur Jeel. *Scale, 8 miles to 1 inch ; size, 20 inches by 28.* On tracing cloth. MS.

NUJJUFGHUR JHEEL DRAINAGE SCHEME. General Plan. 1871. *Size, 25 inches by 36.* On tracing cloth. MS.

Plan No. 17. Special Works Division, W. JUMNA CANALS, SIRSA BRANCH. Rough Plan, showing Alignments proposed for Supply Channel. 1870. *Scale, 1 inch to 1 mile ; size, 36 inches by 56.* On tracing cloth. MS.

### *The Gogra River, a branch of the Ganges.*

*Webb's Survey, 1809. In 3 Sheets.*

No. 1. Survey of the SURDAH, or GOGRA RIVER, from CHEONTEEA TO SYNDPOOR, by Lieut. W. S. Webb. 1809. *Scale, 1 inch to 1 mile ; size, 21 inches by 26.* MS.

No. 2. Survey of the SURDAH, or GOGRA RIVER, from SYNDPUR to USOGPOOR, by Lieut. W. S. Webb. 1809. *Scale, 1 mile to 1 inch ; size 21 inches by 28.* MS.

No. 3. Survey of the SURDAH, or GOGRA RIVER, from GUDOHPOOR to BUHADURPOOR, by Lieut. W. S. Webb. 1809. *Scale, 1 inch to 1 mile; size, 20 inches by 28.* MS.

### *Sarda Canal.*

Report on the CANAL IRRIGATION of ROHILCUND, inclusive of the irrigation of the Terai Lands; to which is added some notes on the direct management of Roodurpoor and Guddnripur. By Captain W. Jones, Engineer, Roorkee, 1855. Quarto, cloth.

Map of Proposed Canals in NORTHERN ROHILKUND, N.W.P. No date. *Size, 36 inches by 30.* On tracing cloth. MS.

ROHILKUND CANALS. BUNBUSSA CANAL. Index Map of Levels between Sardah and Deolia Rivers. 1871. *Scale, 1 inch to 1 mile; size, 35 inches by 29.* On tracing cloth. MS.

Report on the SARDAH CANAL PROJECT. By Captain J. G. Forbes, R.E., &c. Lucknow, 1871. Feap., sewed.

SARDAH CANAL. No title or date. *Size, 16 inches by 10.*

Sketch Map showing BHABUR BED of GOLA and PAHA CANAL HEAD WORKS. *Size, 13 inches by 9.*

Plan showing proposed line for a canal from SARDAH to JUGBOORA RIVER. *Size, 36 inches by 23.*

I. D. O. Sketch Map showing proposed lines of SARDAH CANALS, OUDH and N. W. P. *Scale, 8 miles to 1 inch; size, 27 inches by 40.* On tracing cloth. MS.

Sheet No. 3. I. D. O. Longitudinal section of (SARDAH) CANAL BED to MEINAH KOL from head at BUNBASSA by SOORAE HEAD. *Size, 36 inches by 57.* On tracing cloth. MS.

Sheet No. 4. I. D. O. Longitudinal section of CANAL BED (SARDAH CANAL) from head at NUGLAH to MEINAKOT BRANCH HEAD. *Size, 36 inches by 57.* On tracing cloth. MS.

### *Gunduk Canals, L. P.*

INDIAN ATLAS, Sheets, 102, 103, 112. On which is drawn a proposed system of Canals from the River Gunduk, through Sarun and Western Tirhoot. No title or date.

### *Soane Canal.*

SOANE CANAL PROJECT, 1861 :—

Plate 1. Index Map of India (Canals). Map of Soane Drainage Basin.

Plate 2. Map showing the site of the proposed works and adjacent country, with sketched contour lines and sections, &c.

Plate 3.

Plate 4. Map of the country adjacent to the Soane River, between the junction of the Koel and the Grand Trunk Road, with levelling sections.

Plate 5. Map of the country between the Soane and Kao Rivers, with levelling sections.

Plate 6. Map of the country between the Soane and Poonpoon Rivers, with levelling sections.

- Plate 7. Extract from the Sheets of Protracted Levels, with sketch of the ground in the vicinity of the Head Works.
- Plate 8. General plan of the Head Works, with sections, &c.
- Plate 9. Design for the Regulating Bridge and Dam Sluices at the head of the projected Western Soane Canal.
- Plate 10. Design for a Lock Channel Head for the projected Western Soane Canal, &c.
- Plate 11. Design of a Syphon Drain for the Drainage of the Tootla.
- Plate 12. Design for a Dam for the passage of the Kao Rivers.
- Plate 13. Designs for Inlets and Escapes.
- Plate 14. Designs for Falls.
- Plate 15. Designs for Locks.
- Plate 16. Design for Barrier Bridges at Lock Channel Heads.
- Plate 17. Designs for Bridges.
- Plate 18. Design for Regulating Bridges at the Branch Heads on the projected Soane Canals.
- Plate 19. Compass Survey to illustrate questions as to the lining out of the works near Koroundea on the Sasseram Branch of the projected Western Soane Canal.
- Plate 20. Sections showing the Capacity of the Channels, the Disposition of the Spoil Banks, and the extent of the land to be taken up for the projected Soane Canals.
- Plate 21. Illustrations of the System of Distributaries.
- Folded in an octavo case.

Outline Plan of the MAIN LINES of LAND embraced by the two schemes contemplated by the PROVINCE of OUDH and from the SOANE RIVER known as the Oudh and Soane projects. No date. *Size, 36 inches by 54.* On tracing cloth. MS.

SONE CANAL. Plan of Head Works Land at Dehree. *Scale, 200 feet to 1 inch.* Signed F. W. Rundall, Colonel R.E., Chief Engineer, Irrigation Branch, Bengal. No. 1A. Enclosure to Sone Circle, Sup. Engineer's No. 1058 of 14th July 1870. *Size, 28 inches by 50.* On tracing cloth. MS.

SONE CANAL. Dehree Irrigation Division. Plan of Head Works Land at Baroon. No. 1 B. *Scale, 200 feet to 1 inch; size, 31 inches by 22.* On tracing cloth. MS.

Sketch Map illustrating approximately the Main Works and Lines of Irrigation and Navigation from the RIVER SOANE. No. 2. *Scale, 4 miles to 1 inch; size, 27 inches by 80.* On tracing cloth. MS.

SONE CANAL. Dehree Irrigation Division. Masonry of Head Locks. No. 6. *Scale, 10 feet to 1 inch; size, 33 inches by 38.* On tracing cloth. MS.

SONE CANAL. Behar Works. Main (Eastern) Canal Section. Sone River to Chittur Gopee,  $10\frac{1}{2}$  miles. No. 12. *Size, 19 inches by 48.* On tracing cloth. MS.

SONE CANAL. Behar Undertaking. Eastern Main Canal. Design for Aqueduct across the River Poon Poon. No. 19. *Size, 36 inches by 64.* On tracing cloth. MS.

\* \* \* See also the Chandun River, p. 173; the Hindon River, p. 212; and the Chinmbal River, p. 265.

## THE BRAHMAPUTRA RIVER.

*Rennell's Survey, 1765.*

An exact Survey of the RIVER BARAMPUTREY, from its conflux with the ISSAMUTY, near DACCA, towards ASSAM. By J. Rennell, Surveyor. No. 1, containing from the Issamuty to Nauldee Point, in distance  $19\frac{1}{2}$  statute miles. 1765. *Scale, 2 inches to 1 mile; size, 21 inches by 36.* MS.

An exact Survey of the RIVERS MEGNA and BARAMPUTREY, by James Rennell, Surveyor. No. 1, containing from the Issamuty to Nauldee Point, in distance  $19\frac{1}{2}$  statute miles. May 1765. *Scale, 2 inches to 1 mile; size, 19 inches by 37.* MS. This includes the same part as the foregoing.

The remainder of the Survey on this scale is not in the collection.

*Rennell's Survey, reduced.*

A general Map of the RIVER BARAMPUTREY, from its conflux with the ISSAMUTY, near DACCA, towards ASSAM; carefully reduced from the original surveys to a scale proper for common use. By J. Rennell, Surveyor. In 5 Parts. *Scale, 2 miles to 1 inch; size of each sheet, 18 inches by 30.* MSS.

Part I. Containing from the Issamuty to the head of the Luckya River, in distance 78 statute miles. 1765.

Part II. Containing from the head of the Luckya River to Coustya, in distance 53 statute miles. 1765.

No. 3. Containing from Baganbarry to Chilmory, in distance 69 miles. Surveyed in October and November, 1765.

No. 4. Containing from Chilmory to Rangamatty Chokey, in distance 62 miles; with the course of the Dherla River from its mouth to Curygong, the Teesta Creek to Olyapour, and the Sunccoas to Rangamatty. Surveyed in November, 1765.

No. 5 and last. Containing from Rangamatty Chokey to Commerput (the eastern limit of Bengall towards the river), in distance 62 miles; together with the Provinces of Bisnee, and the courses of several rivers through that country; showing the limits of Bengall towards Assam and Boutan. Surveyed in November and December, 1765.

*Reuben Burrow's Survey, 1787.*

Remarks, &c. made in the GANGES and BURRAMPOOTER RIVERS in the latter part of the year 1787. By Reuben Burrow. Latitudes by meridian altitudes. Longitudes by lunar distances and eclipses of Jupiter's satellites. Numerous sketches of hills. In 1 vol., post folio, bound. MS.

*Wood's Survey, 1792-94.*

The BURRAMPOOTER RIVER from NOGHURBERA to GWAHATTY. Surveyed in the months of December 1792 and January 1793, by Ensign Wood, of Bengal Engineers, Surveyor with Capt. Welsh's Detachment in Assam. *Scale, 2 miles to 1 inch; size, 21 inches by 27.* MS.

The BURRAMPOOTER RIVER from GWAHATTY to LITTOREE. Surveyed in the months of February and March 1793, by Ensign Thomas Wood, of the Bengal Engineers, Surveyor with Capt. Welsh's Detachment in Assam. *Scale,  $\frac{1}{2}$  inch to 1 mile; size, 20 inches by 27.* MS.

The BURRAMPOOTER RIVER from LITTOREE to KOLLIABAR. Surveyed in the months of November and December 1793, by Ensign Thomas Wood, of the Bengal Engineers, Surveyor with Capt. Welsh's Detachment in Assam. *Scale,  $\frac{1}{2}$  inch to 1 mile; size, 21 inches by 24.* MS.

The BURRAMPOOTER RIVER from KOLLIABAR to the confluence of the BOOREE LEWIT RIVER. Surveyed in the months of December 1793 and January 1794, by Ensign Thomas Wood, of the Bengal Engineers, Surveyor with Capt. Welsh's Detachment in Assam. *Scale,  $\frac{1}{2}$  inch to 1 mile; size, 20 inches by 27.* MS.

The BURRAMPOOTER RIVER from the BOOREE LEWIT to the JAHZEE RIVER. Surveyed in the month of January 1794, by Ensign Thomas Wood, of the Bengal Engineers, Surveyor with Capt. Welsh's Detachment in Assam. *Scale,  $\frac{1}{2}$  inch to 1 mile; size, 22 inches by 27.* MS.

The BURRAMPOOTER RIVER from the JAHZEE to the D'HEKOWE. Likewise the March of the Troops to RUNGPORE, with a route thence to GHURGONG. Surveyed in the months of April and May 1794, by Capt. Thomas Wood, of the Bengal Engineers, Surveyor with Capt. Welsh's Detachment in Assam. *Scale, 1,500 yards to 1 inch; size, 22 inches by 36.* MS.

### *Bedford's Surveys, 1824-26.*

Original Journals of the SURVEY of Captain James Bedford, 48th Regt., N. T., on the BURRAMPOOTER or BRUHAMPUTRA RIVER, within Assam in 1824 and 1825. Fcap. folio, half-bound. MS.

MS. BRAHMAPOOTRA SURVEY by Capt. Bedford. 1825-26.

1. Field Book of a Survey from Bishenath as far as Willateen in March 1825.
2. Field Book of a Survey from Bishenath to mouth of the Booree Dihing. April to September, 1825.
3. Field Book of a Survey of the Churs, and left bank of the Burhampooter from Dikho Mookh to the head of the Munjohuli Traet. Also of the right bank and islands from the Dikwa Rand and Seeshee Nullas to Station 518, below Silnee Mookh. October to November, 1825.
4. Field Notes of a short Survey up the Salee Nuddee, also the Surveys up the Dihung, Dipung, and Dikung. November to December, 1825.
5. Field Notes of a short Survey of the Now Dihing river from its junction with the Borlooheet to Rusan Ghaut, where it issues from the hills, and part of the Booree Dihing river. January to February, 1826.
6. Field Notes of a Survey of the Bor Looheet river.
7. Field Notes of a Survey of the Soonpooree Branch of the Bor Loheet river, and of the Bor Loheet itself from Sokatoo Mookh to 218, where the Survey ended on 3rd April 1826. Also Notes of the Dingaloo Survey. May to June, 1826.
8. Abstract of astronomical observations from January to October, 1825.

### *Wilcox's Surveys. 1826-31.*

1. *Expeditions to the Khamti and Mismi Mountains.* 1826.

Note Book of the ROUTE from KUSAN, on the DIHING to the KHAMTEE COUNTRY, near the sources of the IRAWADDY. Journey performed in April and May, 1826. Fcap. folio, paper cover. MS.  
[In the handwriting of Lieut. Wilcox, but not signed.]

Field Book of a JOURNEY through the MISMEE MOUNTAINS on the BRAHMAPUTRA. 1826. By Lieut. R. Wilcox. Fcap. stiff cover. MS.

2. *Wilcox's Survey, Goalpara to Sadiya, and General Map.* 1828.

Survey of the BRAHMAPOOTRA from GOALPARA to BISHENATH, commencing 8th January and ending 8th March, 1828. Also from Goalpara to Jumalpoor, 26th to 28th April, 1828, and Memoir on the construction of a Map of Assam (without date), by Lient. R. Wilcox. Fcap. folio, half-bound. MS.

Map of the BRAHMAPUTRA RIVER from GOALPARA to BISHENATH, from a survey made in 1828 by Lient. R. Wilcox, B.N.I. In 3 sheets. *Scale, 2 miles to 1 inch; size of each sheet, 20 inches by 29.* MSS.

Map of the course of the BRAHMAPUTRA RIVER with the PROVINCE of ASSAM, and the various districts watered by it from its sources near the borders of China to Goalpara in Bengal, including also the heads of the Irawadi River. Compiled in the Surveyor-General's Office by Lient. R. Wilcox, B.N.I., from his own surveys, and from those of Captains Bedford and Jones, B.N.I., and Lient. Beddingfield, B.A. 1828. On 3 sheets. *Scale, 4 miles to 1 inch.*

Sheet 1. Goalpara to Bishenath. *Size, 21 inches by 41.*

Sheet 2. Bishenath to Sudiya. *Size, 29 inches by 41.*

Sheet 3 is wanting.

\* \* See Assam for Wilcox's Map of the sources of the Irawadi and Upper Brahmaputra.

3. *Wilcox's Survey, West of Goalpara to Jaffarganj.* 1830-31.

FIELD BOOKS and NOTES, in one volume, fcap. folio, half-bound. MS.

1. Survey of the Ichematti river; from Pabna on the Ganges to the junction of the Huri Sagur. March 1830.
2. Field Book of a Trigonometrical Survey, with a plan of the triangles, and Table of the measurement of a base of 3,000 feet. March to May 1830.
3. Calculations of the Side of the whole of the Triangles above mentioned.
4. Further portion of Field Book of the Brahmapootra Survey. December 1830 to February 1831.
5. Continuation of ditto, to 15th June 1831.
6. Sequel to the Field Book of 1830, containing the deductions of angles observed by repetition.

Skeleton triangulation of the BRAHAMPUTRA RIVER, between SURAJGUNJ and RANGAMATTI in GOALPARA district. By Capt. Wilcox. *Scale, 1 mile to 1 inch; on 15 pages foolscap folio.*

Map of the BRAHMAPUTRA and ICHAMATI RIVERS. Reduced from the original of Capt. R. Wilcox. (Reduced and drawn by M. H. Dias.) *Scale, 4 miles to 1 inch, in 2 sheets; size of each, 26 inches by 21.* MS.

Map of the BRAHMAPUTRA RIVER from JAFFIRGANJ to 30 miles west of Goalpara. 1830. (No title.) In 8 sheets. *Scale, 1 mile to 1 inch; size of each sheet, 19 inches by 25.* MSS.  
In continuation of the foregoing.

Map of the ICHAMATI RIVER between PABNA on the GANGES and the HURISAGAR, by Capt. R. Wilcox. 1830. *Scale, 1 mile to 1 inch; size, 20 inches by 28.* MS.

\* \* See also the Megua River, &c., pages 102 and 103.

(b.) RIVERS OF INDIA WITH OUTLETS ON THE  
EASTERN SIDE OF THE BAY OF BENGAL.  
BURMESE RIVERS.

IRRAWADDY RIVER.

Draught of the ERAWUDDIE (IRABATTY) RIVER from RANGOON to UMMERAPOORAH, the present capital of the Burmah Dominions. Taken between the months of May and December 1795, and presented to the Honourable Sir John Shore, Bart., Governor-General, &c. &c. &c. of India. By Thomas Wood, Ensign, Engineers, Bengal Establishment. *Scale, 4 geographical miles to 1 inch; size, 81 inches by 30.* MS.

Sketch of the River from RANGOON to YEANDABOO (45 miles south-west of the city of Ava) in the great RIVER IRRAWADDY. Taken while commanding the Honourable Company's steam vessel Diana, advancing with the flotilla against the Burmese in 1825 and 1826. Dedicated to the Right Honourable the Lords Commissioners of the Admiralty, by their very obedient and humble servant, Geo. Winsor, Lieut. R.N. *Scale, about  $3\frac{1}{3}$  miles to 1 inch; size 109 inches by 39.* MS.

Sketch of the IRRAWADDY RIVER from the CHINA BUKEER RIVER entrance to PROME. By Mr. F. E. Twisden, H. C. Str. Pluto. 1852. *Scale,  $\frac{3}{4}$  inch to 1 mile; size, 30 inches by 42.* MS.

\* \* See also Burmah.

Sketch of the RIVER IRRAWADDI from MEADAY to AMERAPOORA. By Commander Rennie and Lieut. Heathcote, I.N., assisted by Messrs. Ogilvy, I.N., and Darcy, H.C.S. Sutledge. Taken during the month of August, 1855. With a section of the river at its extreme height, and at its low level in the dry season; also various notes. *Scale, about 1 mile to 1 inch. Part 1, size, 52 inches by 69; Part 2, size, 40 inches by 126.* MS.

A Survey of the IRRAWADDY RIVERS, from MEEADAY to AMMERAPORA, in August 1855. By F. Duncan, commanding H.C. Steamer, Lord William Bentinck. *Scale, 2 miles to 1 inch; size, 34 inches by 80.* MS.

MEMORANDUM on the IRAWADI RIVER, with a Monthly Register of its Rise and Fall from 1856 to 1858, and a Measurement of its Minimum Discharge. By Lieut.-Col. A. Cunningham, Chief Engineer, Pegu and Tenasserim. Fcap., 6 pages, with diagrams.

Sketch Map of the IRRAWADDY DELTA (with the Embankments and Prome Railway). *Size, 11 inches by 13.* On tracing cloth. MS.

Index Map showing Lines levelled and Line of proposed Canal Embankment, &c. *Scale, 2 miles to 1 inch; size, 29 inches by 31.* On tracing cloth. MS.

*Kyendwen River.*

A branch of the Irawaddy.

Sketch of the KYENDWEN RIVER, from NATKYUNAUNG-MAI, or GENDUH, to the IRRAWATTE RIVER. By Lieut. Montmorency. With corrections and additions by Lieut. R. Boileau Pemberton, Surveyor of Eastern Frontier. 1831. *Scale, 4 miles to 1 inch; size, 43 inches by 21.* MS.

## SITTANG RIVER.

(Chart of) The SITTOUNG RIVER, from SITTOUNG to TOUNG-GNOO. By Lieut. C. Y. Ward, I.N., Surveyor. 1854. *Scale, 1,000 yards to 1 inch; in 2 sheets; size of each, 39 inches by 41.* MS.

## SALWEEN RIVER.

Part of the THALWEEN RIVER (from MARTABAN to PABOO). Received 1844. *Scale, 2,029 yards to 1 inch; size, 26 inches by 20.* Litho.

RIVER SALWEEN surveyed by Lieut. Matthew Nolloth, H.M.S. Childers, 1843. Admiralty Chart, No. 1693. *Scale, 1 mile to 1 inch; size, 27 inches by 20.*

(c.) RIVERS OF INDIA WITH OUTLETS ON THE  
WESTERN SIDE OF THE BAY OF BENGAL.

## DAMOODUR AND SUBARNREKHA RIVERS.

*Orissa Canals.*

No. 1. Plan of a proposed new Canal in MEDNAPORE and HEDJILEE DISTRICTS between the Damooda and Soobunreka Rivers. *Scale, 1 mile to 1 inch; size, 36 inches by 69.* MS.

No. 2. Plan of a proposed new Canal in the Province of ORISSA, between Soobunreka River and Chilka Lake. *Scale, 4 miles to 1 inch; size, 20 inches by 58.* MS.

Sketch Map showing the MAIN WORKS and LINES of IRRIGATION and NAVIGATION now under construction, and proposed to be constructed in Orissa and adjacent districts, as comprised in the Orissa undertaking, May 1870. *Scale, 8 inches to 1 mile; size, 31 inches by 36.*

Map showing the Area which is at present Irrigable on the ORISSA CANALS, and the area which it is now proposed to irrigate. Enclosure to despatch from India, No. 138 of 1872. *Scale, 4 miles to 1 inch; size, 32 inches by 30.* On tracing cloth. MS.

## MAHANUDDY RIVER.

Sketch Map illustrative of Report on River Mahanuḍdy and its Tributaries. 1863. *Size, 23 inches by 24.*

Also the same with another title.

## GODAVARI RIVER.

Sketch Map giving the whole course of the LOWER and UPPER GODAVERY, PRANHITA, and WURDAH from CORINGA to NATCHENGAUM, showing the positions also of Nagpore, Bisnoor on the Wurdah, and



Oomrawuttee, the great cotton mart of the Province of Berar. The site of the principal reefs or barriers are also shown, to illustrate the Chief Engineer's summary of Lieut. Haig's report. House of Commons Paper, No. 55, Feb. 18. 1862. *Scale, 16 miles to 1 inch; size, 25 inches by 20.*

Sketch Map of the GODAVERY VALLEY to accompany Captain Haig's Memorandum of 1st January 1866. *Size, 26 inches by 40.*

The KANHAN and PENCH RIVERS IRRIGATION PROJECTS, delineated on Sheet 72 of the Indian Atlas. *Size, 40 inches by 27.*

Sketch Map to illustrate General Report relating to making use of the KANHAN RIVER, as a source of supply for the Godavery, and for the irrigation of the Wurda Valley. 1863. *Scale, 4 miles to 1 inch; size, 28 inches by 22.* Lithographed.

### *Godavari Delta.*

A Map of the GODAVERY DELTA below RAJAMUNDRY with Collair Lake. 1846. No title. *Scale, 2 miles to 1½ inch; size, 39 inches by 65.* MS.

Skeleton Map of the DELTA of the GODAVERY in the RAJAHMUNDRY DISTRICT, showing the course of the river, the position of the Anicut, the channels, embankments, cuts, &c. which now existing will diffuse the benefits of the Anicut, and those which are necessary to give full effect to that work. 1849. *Scale, ¾ inch to 1 mile; size, 36 inches by 43.* MS.

Sketch of the GODAVERY and KRISTNA DELTAS, showing the principal channels of navigation, irrigation, drainage, &c. 1862. *Scale, 4 miles to 1 inch; size, 36 inches by 43.* MS. tracing.

Series of Levels down the RIVER GOUDAVERY from TAUNDIPOODY to CORRINGA. By J. L. Caldwell. *Scale, 600 yards to an inch; size, 172 inches by 61.* MS.

### *Godavari Anicut.*

Plans and Sections, &c. by Major Arthur Cotton, 1845 :—

1. Section across the GODAVERY at the Head of the DELTA, showing the proposed Anicut with its Wing-walls and Under-sluices; also the Head Sluices to the Main Irrigating Channels, &c. *Size, 9 inches by 30.* MS.
2. Sections of—the Slope of Land on the bank of the GODAVERY—The slope of the surface of the country from Maddapollum to Dhararum—The slope of water in December 1844, &c. *Size, 8 inches by 42.* MS.
3. Cross Sections taken through the body of the ANICUT, proposed to be built across the Godavery River and through one of the under-sluices. *Size, 12 inches by 21.* MS.
4. Plan showing one end of the proposed ANICUT across the Godavery, with the Head of the Irrigating Channel and the Sluices and Locks connected therewith. *Size, 15 inches by 22.* MS.
5. Plan of the GODAVERY at the head of the DELTA near Rajahmundry, showing the Site of proposed Works. 17th April 1845. *Scale, 4 inches to 1 mile; size, 23 inches by 27.* MS.

6. Plan, Elevation, &c. of the Head Sluice for the MAIN IRRIGATION CHANNEL leading from the proposed Godavery Anicut. *Size, 14 inches by 23.* MS.
7. Plan and Sections of Locks for the proposed GODAVERY ANICUT. *Size, 22 inches by 27.* MS.

## GODAVARI CANALS.

### *First Barrier.*

Sketch of the RIVER GODAVERY from DAVARAPILLE to PURNESALA, showing the proposed Line of Canal between Doomagoodium and Davarapille. *Size, 14 inches by 12.* On tracing cloth. MS.

Map of the Tract of Country on the Left Bank of the GODAVERY traversed by the proposed Canal between Dumagudiem and Daverapilly. *Scale, 4 inches to 1 mile; size, 50 inches by 66.* Drawn in colours on tracing cloth. MS.

Head Sluice for the DOOMOOGOODIEM and DAVERAPULLY CANAL, Upper Godavery. *Size, 13 inches by 16.* On tracing cloth. MS.

Culverts for the DOOMGOODIEM and DAVERAPILLY CANAL. *Size, 12 inches by 12.* On tracing cloth. MS.

Plan of a CALINGULAH for the DOOMGOODIEM and DAVERAPILLY CANAL. *Size, 10 inches by 11.* On tracing cloth. MS.

Plan and Sections of a CALINGULAH for the DUMUGUDIEM and DEVARAPILLY CANAL. *Size, 16 inches by 23.* On tracing cloth. MS.

Plan and Sections of proposed ENTRANCE LOCK at DUMUGUDIEM, Sinteral Barrier. *Size, 15 inches by 23.* On tracing cloth. MS.

Plan and Sections of the proposed LOCKS at DAVERAPILLY, Sentral Barrier Project. *Size, 26 inches by 49.* On tracing cloth. MS.

Section of Canal from DUMAGUDIEM to CONGOLE. November 1866. *Size, 10 inches by 30.* On tracing cloth. MS.

Flood Embankment from High Ground at TRAMWAY to High Ground at TAIL LOCKS. Dumagudiem, November 1866. *Size, 10 inches by 37.* On tracing cloth. MS.

Head Lock. *Scale, 20 feet to 1 inch; size, 10 inches by 23.* On tracing cloth. MS.

Also a copy printed in a Parliamentary Return.

Sketch of the Shoals at RUDRUM COTA, as they appeared about 1st Nov. 1860. *Size, 10 inches by 10.* On tracing cloth. MS.

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### *Plans printed for Parliament.*

First Division. Section of a Canal from VAGU, No. 17, to LOWER TAIL LOCK. Showing work done to end of May, 1863 and 1864. *Size, 13 inches by 35.* Printed in Parliamentary Return.

Oomrawuttee, the great cotton mart of the Province of Berar. The site of the principal reefs or barriers are also shown, to illustrate the Chief Engineer's summary of Lieut. Haig's report. House of Commons Paper, No. 55, Feb. 18. 1862. *Scale, 16 miles to 1 inch; size, 25 inches by 20.*

Sketch Map of the GODAVERY VALLEY to accompany Captain Haig's Memorandum of 1st January 1866. *Size, 26 inches by 40.*

The KANHAN and PENCH RIVERS IRRIGATION PROJECTS, delineated on Sheet 72 of the Indian Atlas. *Size, 40 inches by 27.*

Sketch Map to illustrate General Report relating to making use of the KANHAN RIVER, as a source of supply for the Godavery, and for the irrigation of the Wurda Valley. 1863. *Scale, 4 miles to 1 inch; size, 28 inches by 22.* Lithographed.

### *Godavari Delta.*

A Map of the GODAVERY DELTA below RAJAMUNDRY with Collair Lake. 1846. No title. *Scale, 2 miles to 1½ inch; size, 39 inches by 65.* MS.

Skeleton Map of the DELTA of the GODAVERY in the RAJAHMUNDRI DISTRICT, showing the course of the river, the position of the Anicut, the channels, embankments, cuts, &c. which now existing will diffuse the benefits of the Anicut, and those which are necessary to give full effect to that work. 1849. *Scale, ¾ inch to 1 mile; size, 36 inches by 43.* MS.

Sketch of the GODAVERY and KRISTNA DELTAS, showing the principal channels of navigation, irrigation, drainage, &c. 1862. *Scale, 4 miles to 1 inch; size, 36 inches by 43.* MS. tracing.

Series of Levels down the RIVER GODAVERY from TAUNDIPOODY to CORRINGA. By J. L. Caldwell. *Scale, 600 yards to an inch; size, 172 inches by 61.* MS.

### *Godavari Anicut.*

Plans and Sections, &c. by Major Arthur Cotton, 1845 :—

1. Section across the GODAVERY at the Head of the DELTA, showing the proposed Anicut with its Wing-walls and Under-sluices; also the Head Sluices to the Main Irrigating Channels, &c. *Size, 9 inches by 30.* MS.
2. Sections of—the Slope of Land on the bank of the GODAVERY—The slope of the surface of the country from Maddapollum to Dhararum—The slope of water in December 1844, &c. *Size, 8 inches by 42.* MS.
3. Cross Sections taken through the body of the ANICUT, proposed to be built across the Godavery River and through one of the under-sluices. *Size, 12 inches by 21.* MS.
4. Plan showing one end of the proposed ANICUT across the Godavery, with the Head of the Irrigating Channel and the Sluices and Locks connected therewith. *Size, 15 inches by 22.* MS.
5. Plan of the GODAVERY at the head of the DELTA near Rajahmundry, showing the Site of proposed Works. 17th April 1845. *Scale, ¼ inches to 1 mile; size, 23 inches by 27.* MS.

6. Plan, Elevation, &c. of the Head Sluice for the MAIN IRRIGATION CHANNEL leading from the proposed Godavery Anicut. *Size, 14 inches by 23.* MS.
7. Plan and Sections of Locks for the proposed GODAVERY ANICUT. *Size, 22 inches by 27.* MS.

## GODAVARI CANALS.

### *First Barrier.*

Sketch of the RIVER GODAVERY from DAVARAPILLE to PURNESALA, showing the proposed Line of Canal between Doomagoodium and Davarapille. *Size, 14 inches by 12.* On tracing cloth. MS.

Map of the Tract of Country on the Left Bank of the GODAVERY traversed by the proposed Canal between Dumagudiem and Daverapilly. *Scale, 4 inches to 1 mile; size, 50 inches by 66.* Drawn in colours on tracing cloth. MS.

Head Sluice for the DOOMOOGOODIEM and DAVERAPULLY CANAL, Upper Godavery. *Size, 13 inches by 16.* On tracing cloth. MS.

Culverts for the DOOMGOODIEM and DAVERAPILLY CANAL. *Size, 12 inches by 12.* On tracing cloth. MS.

Plan of a CALINGULAH for the DOOMGOODIEM and DAVERAPILLY CANAL. *Size, 10 inches by 11.* On tracing cloth. MS.

Plan and Sections of a CALINGULAH for the DUMUGUDIEM and DEVARAPILLY CANAL. *Size, 16 inches by 23.* On tracing cloth. MS.

Plan and Sections of proposed ENTRANCE LOCK at DUMUGUDIEM, Sinteral Barrier. *Size, 15 inches by 23.* On tracing cloth. MS.

Plan and Sections of the proposed LOCKS at DAVERAPILLY, Sentral Barrier Project. *Size, 26 inches by 49.* On tracing cloth. MS.

Section of Canal from DUMAGUDIEM to CONGOLE. November 1866. *Size, 10 inches by 30.* On tracing cloth. MS.

Flood Embankment from High Ground at TRAMWAY to High Ground at TAIL LOCKS. Dumagudiem, November 1866. *Size, 10 inches by 37.* On tracing cloth. MS.

Head Lock. *Scale, 20 feet to 1 inch; size, 10 inches by 23.* On tracing cloth. MS.

Also a copy printed in a Parliamentary Return.

Sketch of the Shoals at RUDRUM COTA, as they appeared about 1st Nov. 1860. *Size, 10 inches by 10.* On tracing cloth. MS.

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### *Plans printed for Parliament.*

First Division. Section of a Canal from VAGU, No. 17, to LOWER TAIL LOCK. Showing work done to end of May, 1863 and 1864. *Size, 13 inches by 35.* Printed in Parliamentary Return.

Section of Canal through 2nd Subdivision, 1st Division, U.G.C. Showing work done up to 1st Nov. 1864. *Size, 13 inches by 35.* Printed in Parliamentary Return.

Section of Canal from DUMAGUDIEM to CONGOLE. Showing work done in 1865 and 1866. *Size, 13 inches by 35.* Printed in Parliamentary Return.

Longitudinal Section of the DUMUGUDIEM ANICUT. Showing work done to 30th April 1866. *Size, 13 inches by 35.* Printed in Parliamentary Return.

Also another. Showing work done on the same section in 1867.

Head Lock. *See MS.*

Scouring Sluices at DUMAGUDIEM, U.G.W. Showing work to April and October 1866. *Size, 13 inches by 25.* Printed in a Parliamentary Return.

Plans of Eleven Parts of the BED of the GODAVERY, with diagrams of its fall from Kamptee to the Mouth of the Kanhan River, and from the Kanhan to the Mouth of the Wein Gunga River. On 5 plates, *size of each, 10 inches by 9.* Printed in a Parliamentary Return.

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Transverse Section of the GODAVERY in the line of the proposed Anicut, 1st Barrier. *Size, 9 inches by 39.* On tracing cloth. MS.

No. 2. Longitudinal Section of the ANICUT at DUMAGUDIEM, No. 2. *Size, 9 inches by 39.*

No. 3. Design for Anicut Wing Wall. By Major Stoddard. *Size, 27 inches by 39.*

No. 4. Scouring Sluices. *Size, 22 inches by 40.*

No. 5. Head Lock. *Scale, 8 feet to 1 inch ; size, 27 inches by 40.*

No. 6. Torbaka Escape. *Size, 27 inches by 40.*

No. 7. Seetumpet Lock. *Size, 27 inches by 40.*

No. 8. Budrachellum Escape. *Size, 20 inches by 19.*

No. 9. Upper Tail Lock. *Size, 27 inches by 40.*

No. 10. Plan of Double Lock. *Size, 27 inches by 40.*

Longitudinal Section of the Bed of the GODAVERY from Purnasala to the foot of the 1st Barrier.

#### *Second Barrier.*

Plan No. 1. Map of the Second Barrier of the GODAVERY, showing the positions of the proposed Anicut and Locks. *Scale, 400 yards to 1 inch ; size, 31 inches by 60.* On tracing cloth. MS.

No. 2. Plan of the RIVER BED at the Site of the proposed ANICUT, 2nd Barrier, GODAVERY. *Scale, 32 inches to 1 mile ; size, 32 inches by 60.* On tracing cloth. MS.

\* A Cross Section of the RIVER BED at ENCHAMPILLY. Estimate No. 1, 1864-65. *Size, 24 inches by 39. On tracing cloth. MS.*

No. 3. Transverse Section of RIVER BED on Line of ANICUT; Cross Section of Anicut; Sketch of Upper Course, showing concrete filling; Section to illustrate calculations. *Size, 30 inches by 42. On tracing cloth. MS.*

No. 4. Plan of UPPER and part of MIDDLE LOCK, with Sluice and Guard Wall in the proposed Anicut. With sections. *Size, 28 inches by 40. On tracing cloth. MS.*

No. 5. Plan of LOWER and part of MIDDLE LOCK in proposed Anicut. *Size, 25 inches by 36. On tracing cloth. MS.*

Longitudinal Section of 2nd Barrier along Summer Channel from GUNGARAM to BODAGUDEM. *Size, 13 inches by 76. On tracing cloth. MS.*

### *Third Barrier.*

Map of the Lower Part of the WYNE GUNGA and 3rd Barrier of the GODAVERY. *Scale, 4 miles to 1 inch; size, 20 inches by 26. Printed in Parliamentary Return.*

Sketch Map to illustrate General Report relating to making use of the KANIAN RIVER as a source of supply for the Godavery and for the irrigation of the Wurda Valley. *Scale, 4 miles to 1 inch; size, 22 inches by 27. Printed at the S. G. O., Calcutta. 1863.*

### KRISHNA RIVER.

Plan of the RIVER KISTNAH with part of the MASULIPATAM and GUNTOOR DISTRICT, exhibiting many of the tanks and the ancient and decayed channels of supply upon which the cultivation of Paddy depends. By J. Lillyman Caldwell, Superintendent of tank repairs. *Scale, 2,000 yards to 1 inch; size, 45 inches by 32. MS.*

### *Michael Topping's Survey. 1793-4.*

A Survey of the KISTNAH, exhibiting the series of levels taken on the northern bank of that river. By M. Topping. *Scale, about 3 inches to 1 mile; size, 125 inches by 50. MS.*

A Survey of the KISTNAH, exhibiting the series of levels taken on its northern bank. By M. Topping. 1793. *Scale, about 1½ inches to 1 mile; size, 62 inches by 29. MS.*

A Survey of the RIVER KISTNAH from MUKTALAH to BEZOARA. By M. Topping. 1793. *Scale, 3 fathoms to 1 inch; size, 124 inches by 50. MS.*

A Survey of the KISTNAH from BEGOARA to the Sea. By M. Topping. 1794. *Scale, about 1½ inches to 1 mile; size, 96 inches by 49. MS.*

A Survey of the KISTNAH from BEGOARA to the Sea. By M. Topping. 1794. *Scale, about 1½ inches to 1 mile; size, 94 inches by 51. MS.*

A Survey of the KISTNAH from BEGOARA to the Sea. By M. Topping. 1794. (Without title.) *Scale, about 3 inches to 1 mile; size, 144 inches by 26.* MS.

Series of levels from BEGOARA to ELLORE (by M. Topping, 1794?). *Scale of the profile, about  $9\frac{1}{2}$  feet to 1 inch; size, 136 inches by 45.* MS.

Series of levels from ELLORE to TALLAPOODY. (By M. Topping, 1794?). *Scale of profile, 10 feet to 1 inch; size, 180 inches by 41.* MS.

\* \* See the Godavari River for the continuation of this series to Coringa.

### *Krishna Delta.*

Sketch of part of MASULIPATAM and GUNTOOR DISTRICTS, showing the extent of land (coloured light green) that will be brought under the influence of the proposed Kistnah Anicut. 1874. *Scale, 4 miles to 1 inch; size, 25 inches by 29.* MS.

Sketch Map showing the direction of the proposed SOUTHERN HIGH LEVEL CHANNEL from the KISTNAH ANICUT. 1855. *Size, 15 inches by 30.* MS.

Diagram, showing the nature of the two great holes made in the KISTNAH ANICUT by the freshes of 1858. *Size, 25 inches by 19.* MS.

Map of KISTNA DELTA. 1863. *Scale, 2 miles to 1 inch; size, 36 inches by 52.* On tracing cloth. MS.

Section through the body of the proposed KISTNAH ANICUT. 1847. No. 4. *Size, 21 inches by 25.* MS.

Plan, Elevation, &c. of the HEAD SLUICES for the Main Irrigating Channels leading from the proposed KISTNAH ANICUT. 1847. *Size, 19 inches by 24.* MS.

Plan and Sections of a LOCK to be attached to the Main Sluices of the Main Irrigating Channels leading from the proposed KISTNAH ANICUT. 1847. *Size, 19 inches by 28.* MS.

Sketch showing the probable acreage of wet cultivation when the KISTNA CHANNELS shall have been enlarged to their full width. 1863. Drawn on a printed map, entitled "Map shewing the Trunk Roads of the Kishnah District." *Scale, 8 miles to 1 inch; size, 16 inches by 23.*

Longitudinal and Cross Sections of the principal Channels in the GUNTOOR DELTA, showing the dimensions to which it is proposed to extend them eventually. 1863. *Size, 36 inches by 52.* On tracing cloth. MS.

Longitudinal and Cross Sections of the principal Channels in the MASULIPATAM DELTA, showing the dimensions to which it is proposed to extend them eventually. 1863. *Size, 36 inches by 52, with a Supplement.* On tracing cloth. MS.

WESTERN BANK CHANNEL. Proposed Calingulas for regulating the discharge of water at Kollore, at head of Vellatur Channel, and at head of Yesakapully Channel. 1863. On three sheets; *size of each, 14 inches by 21.* On strong cloth. MSS.

Sketch showing the course of the IRRIGATION COMPANY'S CANAL in the KURNOOL DISTRICT, and the probable extent of land irrigable from it north of Nundial. Lithographed in colors at the Revenue Survey Press, Madras, October 1863. *Size, 24 inches by 32.*

## MADRAS PRESIDENCY IRRIGATION.

Irrigation Map of the MADRAS PRESIDENCY, compiled and drawn in the Government Lithographic Press, Central Office of Public Works, from information furnished by District Engineers, for the Secretary of State for India, as per order of Government, No. 569, of 17th October 1860. 1860. *Scale, 8 miles to 1 inch; size, 115 inches by 96.*

\* \* With a list of the principal rivers, canals, channels, and principal tanks in each district. MS.

Irrigation Map of the MADRAS PRESIDENCY, compiled from information furnished by District Engineers, for the Secretary of State for India. Corrected up to April 1863. *Scale, 8 miles to 1 inch; size, 115 inches by 97.*

\* \* With a list of rivers, canals, channels, and tanks in each district.

Similar Maps for the years 1864, 1865, and 1869.

MADRAS EAST COAST CANAL. Section of the GROUND from YEDDAHOOR near Sadras to AUDEAUR RIVER, at MADRAS. Taken for the purpose of constructing a canal between those places, to be eventually extended southwards. 1853. *Size, 11 inches by 13 $\frac{3}{4}$  feet.* On tracing cloth. MS.

Plan of the EAST COAST CANAL, showing the parts completed, in progress, and not commenced, together with the Principal Irrigating Channels in the Godavery and Kistnah Deltas; compiled from the Madras Public Works Budgets for the years 1854-55 to 1860-61, inclusive. Also Plan of the "TUMBUDRA SCHEME," in course of construction by the Madras Irrigation and Canal Company, from a letter from Capt. F. H. Rundall to Secretary to Government of Fort St. George, dated 1st February 1860, No. 36. And Plan of a PROPOSED CANAL from PONANG to COCHIN, with EXTENSION to TRIVANDRUM. (See Madras Public Works Letter, No. 5 of 1860.) By Fred. Chas. Danvers, Public Works Department, India Office. 25th July 1860. *Size, 30 inches by 25.* This is a part of Walker's Sketch Map of India, with a MS. title and additions.

## MADRAS IRRIGATION AND CANAL COMPANY.

The MADRAS IRRIGATION and CANAL COMPANY (Limited). A pamphlet with the Prospectus of the Company, and extracts from Official Reports and Documents, &c., showing the vast importance of Works of Irrigation and Communication by Navigable Canals, in the Presidency of Madras and the Mysore Territories, &c., as a safe and highly remunerative investment for British capital. London, 1857. Octavo, 120 pages, sewed.

### *General Maps.*

Maps showing the TERRITORIES embraced by the Act of Incorporation and Scheme of the MADRAS IRRIGATION and CANAL COMPANY. *Size, 27 inches by 22.*

\* \* Showing the Main Irrigating and Navigable Canal of the first project, to be constructed by the Madras Irrigation and Canal Company.



Another edition, showing the MAIN CHANNEL of the TOONGA-BUDDRA PROJECT, the contemplated Extension thereof, existing and proposed Canals. *Size, 27 inches by 22.*

Sketch showing the CONTOUR LINES which a Canal taken off at different levels from the TUMBUDDRA will follow along the watersheds of the RIVERS TUMBUDDRA and BOWANASSY, the BOWANASSY and KUNDAR, and the BOWANASSY and HINDRI. To accompany the Consulting Engineers' letter of the 15th Oct. 1860. *Size, 13 inches by 27.* On tracing cloth. MS.

Map showing the TOOMBUDRA PROJECT of the MADRAS IRRIGATION and CANAL COMPANY, as roughly sketched by the Chief Resident Engineer. *Scale, 16 miles to 1 inch; size, 24 inches by 32.*

\* \* With an explanation.

Also a later edition, dated November 1860, without the explanation.

The MADRAS IRRIGATION and CANAL COMPANY.

Map of the Toombuddra Undertaking, showing the Main Line of Canal, as at present under construction, and contemplated. No date. *Scale, 16 miles to 1 inch; size, 26 inches by 33.*

MADRAS IRRIGATION and CANAL COMPANY. Sketch

Map showing the Line of Canal and proposed Telegraph (from Soonkasala to Cuddapah). Sanctioned in the Government Proceedings, No. 3167 of 23rd October 1865. *Scale, 4 miles to 1 inch; size, 29 inches by 19.* On tracing cloth. MS.

Plan of the East Portion of the TOOMBUDRA PROJECT to accompany the first report of the Chief Engineer, Sept. 1859. *Scale, 4 miles to 1 inch; size, 32 inches by 37.* MS.

Sketch showing the probable site for an Annicut across the River Pennair, and line of Main Canal of irrigation and navigation, thence to the Eastern Coast Canal near Kistnapatam, as proposed by the Chief Engineer of the Irrigation Company. See his letter to the Secretary, dated 5th April 1860, &c. *Scale, 4 miles to 1 inch; size, 19 inches by 33.* On tracing cloth. MS.

Sketch Map showing the course of the MAIN CANAL from the SOONKASALA ANNICUT to the NAGATOOR TANK. *Scale, 1 inch to 1 mile; size, 23 inches by 38.* On tracing cloth. MS.

Sketch showing the direction of the MAIN CANAL, the Site of the Reservoirs on the Rivers Huggry and Hindry, and of the Annicuts on the Rivers Toongaboddra and Pennair. 1860. *Scale, 24 miles to 1 inch; size, 17 inches by 21.* On tracing cloth. MS.

MADRAS IRRIGATION and CANAL COMPANY. Survey of No. 1 Mile of the South Main Channel from the proposed Soonkasala Annicut. See Despatch to Home Government, dated 10 June 1861. *Scale, 88 yards to 1 inch; size, 22 inches by 30.* MS.

Survey of No. 2 mile. *Size, 26 inches by 33.* MS.

"	"	3	"	"	21	"	30	"
"	"	4	"	"	20	"	30	"
"	"	5	"	"	21	"	30	"
"	"	6	"	"	21	"	29	"
"	"	7	"	"	20	"	29	"
"	"	8	"	"	22	"	29	"

Survey of No. 9 mile.	Size, 31 inches by 30.	MS.
" " 10 " " 34 " 30 "		
" " 11 " " 20 " 30 "		
" " 12 " " 27 " 31 "		
" " 13 " " 26 " 32 "		
" " 14 " " 28 " 33 "		
" " 15 " " 24 " 33 "		
" " 16 " " 26 " 30 "		
" " 17 " " 24 " 30 "		

CONTOUR LINE of TANK formed in No. 6 Mile of South Main Canal. *Size, 42 inches by 30.* MS.

### *South Main Canal Bridges.*

#### **No. 1. MADRAS IRRIGATION AND CANAL COMPANY.**

Plan, Sections, and Elevation of the Bridge proposed to be constructed on the 17th mile of the South Main Canal. *Scale, 10 feet to 1 inch; size, 14 inches by 30.* MS.

**MADRAS IRRIGATION AND CANAL COMPANY.** Hindry Division. Bridge No. 2 proposed to be constructed on the 19th mile. *Scale, 10 feet to 1 inch; size, 12 inches by 28.* MS.

**MADRAS IRRIGATION AND CANAL COMPANY.** Hindry Division. Bridge No. 3 proposed to be constructed on the altered portion of Garidimulla Road. *Scale, 10 feet to 1 inch; size, 13 inches by 15.* MS.

### *South Main Canal, Calingulahs.*

**MADRAS IRRIGATION AND CANAL COMPANY.** Plan, Section and Elevation of Numbers 1 and 5, Calingulah, on the South Main Canal. *Scale, 10 feet to 1 inch; size, 14 inches by 30.* MS.

Also Numbers 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, on separate sheets.

### *South Main Canal Tunnels.*

**MADRAS IRRIGATION AND CANAL COMPANY.** Plan and Sections of Nos. 1, 2, 3 Tunnels on the South Main Canal. *Scale, 5 feet to 1 inch; size, 14 inches by 30.* MS.

Also Nos. 4 and 5, 6, 7, 8, on 4 sheets.

### *South Main Canal Culverts.*

**MADRAS IRRIGATION and CANAL COMPANY.** Plan and Sections of No. 1 Culvert on the South Main Canal. *Scale, 10 feet to 1 inch; size, 14 inches by 30.* MS.

Also No. 2 on 1 sheet.

" 3, 4, 5, 7, 8, 9, on 1 sheet.

" 6, on 1 sheet.

" 10, on 1 sheet.

" 12, on 1 sheet.

" 13, on 1 sheet.

### *South Main Canal Ferry Boats.*

**MADRAS IRRIGATION and CANAL COMPANY.** Ferry Boat proposed for the South Main Canal. *Scale,  $\frac{1}{2}$  inch to 1 foot; size, 14 inches by 30.* MS.

Also a Copy of the same, entitled Madras Irrigation and Canal Company, Hindry Division, 10 ferry boats in the 2nd Section.

*Hindry Aqueduct.*

**MADRAS IRRIGATION and CANAL COMPANY.** Survey of a portion of the River Hindry, showing the Site of the proposed Aqueduct, and also that of the sanctioned one, with road alteration. *Scale, 88 yards to 1 inch; size, 16 inches by 28.* MS.

**MADRAS IRRIGATION and CANAL COMPANY.** Transverse Section of the Hindry, showing the surface of Rock at the Site of the proposed Aqueduct. *Size, 10 inches by 45.* MS.

**MADRAS IRRIGATION and CANAL COMPANY.** Altered Plan of Hindry Aqueduct. *Scale, 20 feet to 1 inch; size, 18 inches by 50.* MS.

**Plans of the WORKS at HINDRY, &c.** Signed F. H. Rundall, Lieut.-Colonel, Consulting Engineer for Irrigation and Canal Company, numbered 1, 2, 3, 4, 5. In duplicate, on tracing paper mounted.

No. 1. Survey of a portion of Kurnool and the River Hindry, showing the Site of the Aqueduct. *Scale, 88 yards to 1 inch; size, 38 inches by 29.*

No. 2. Transverse Section of the Hindry, showing the surface of the Rock of the Site of the proposed Aqueduct. *Scale, 30 feet and 10 feet to 1 inch; size, 10 inches by 44.*

No. 3. Proposed Hindry Aqueduct, near Kurnool. *Scale, 30 feet to 1 inch; size, 20 inches by 34.*

No. 4. Enlarged Section of a portion of the Hindry Aqueduct. *Scale, 10 feet to 1 inch; size, 29 inches by 50.*

No. 5. Longitudinal and Transverse Sections of the Approaches of the Hindry Aqueduct. *Scale, 30 feet to 1 inch; size, 12 inches by 30.*

*Kadragh Aqueduct.*

**Plan, Elevation, and Section of KADRABAGH AQUEDUCT,** substituted for Culvert No. 13. '1864. *Scale, 10 feet to 1 inch; size, 30 inches by 40.* On tracing cloth. MS.

**Plans of Works in the HINDRY DIVISION, Main Canal, 2nd Section,** dated Kurnool, 13th December 1864.

(No. 1.) Average Sections of the Canal Embankment and Dry Rubble Walls. *Scale, 20 feet to 1 inch; size, 36 inches by 26.* On tracing cloth. MS.

(No. 2.) Sections of Walls constructed and under construction on 2nd Section Main Canal, to accompany Revised Estimate. *Scale, 10 feet to 1 inch; size, 18 inches by 24.* On tracing cloth. MS.

(No. 3.) Plan, Section, and Elevation of the Gooty Road Bridge, as completed. *Scale, 10 feet to 1 inch; size, 18 inches by 21.* On tracing cloth. MS.

(No. 4.) General Plan and Elevation, &c. showing Sluices in Calingulabs. *Scale, 5 feet to 1 inch; size, 18 inches by 24.* On tracing cloth. MS.

(No. 5.) Plan and sections of Emptying Sluice in 19th mile. *Scale, 10 feet to 1 inch; size, 15 inches by 18.* On tracing cloth. MS.

(No. 6.) Plan and Sections of Culvert, No. 12, situated in the 21st mile. *Scale, 10 feet to 1 inch; size, 19 inches by 39.* On tracing cloth. MS.

**Survey and Levels along the first mile of the GREAT SOUTH MAIN CANAL from KURNOOL.** 1860. *Scale, 330 feet to 1 inch; size, 24 inches by 36.* MS.

**No. 1. MADRAS IRRIGATION and CANAL COMPANY.**

Survey of a portion of the country adjacent to the site of the Annicut proposed to be constructed across the Toongaboodra at Kurnool. 1860. *Scale, 800 feet to 1 inch; size, 26 inches by 31.* MS.

**No. 2. MADRAS IRRIGATION and CANAL COMPANY.**

Plans, elevation, and sections of the Toombudra Annicut and Under Sluices proposed to be constructed at Kurnool. July 1860. *Size, 26 inches by 38.* MS.

**No. 2. Drawings of WALLS and SURPLUS SLUICES for the first mile at Kurnool.**

August 1860. *Size, 13 inches by 19.* MS.

**Plan No. 3. MADRAS IRRIGATION and CANAL COMPANY.**

Drawings of Head Sluice for the South Main Canal at Kurnool. 1860. *Scale, 10 feet to 1 inch; size, 21 inches by 28.* MS.

**No. 4. MADRAS IRRIGATION and CANAL COMPANY.**

Drawings of Lock for the South Main Canal at Kurnool. 1860. *Size, 26 inches by 34.* MS.

*Canal Sections.***MADRAS IRRIGATION and CANAL COMPANY. Hindry Division.**

Cross sections from the 20th mile to the 43rd. On 9 sheets. MS.

**MADRAS IRRIGATION and CANAL COMPANY. Hindry Division.**

Longitudinal section from the 20th mile to the 32nd. *Size, 7½ yards by 6 inches.* MS.

**MADRAS IRRIGATION and CANAL COMPANY. Land**

plan No. 8. Showing land required in the village of Rajowloo in the territories of the Rajah of Gudwal. *Scale, 88 yards to 1 inch; size, 19 inches by 37.* MS.

**MADRAS IRRIGATION and CANAL COMPANY. Hindri**

Division. Syphon Sluice No. 1. *Scale, 10 feet to 1 inch; size, 8 inches by 12.* MS.

**MADRAS IRRIGATION and CANAL COMPANY. Proposed**

Hospital at Kurnool. *Size, 14 inches by 19.* MS.

**MADRAS IRRIGATION and CANAL COMPANY. Central**

Hospital, outbuildings. *Size, 12 inches by 23.* MS.

**Register of the RIVER TOOMBUDRA at SOONKASALA**

ANICUT, for the month of July 1862. Chepank, 24th March 1863. *Size, 15 inches by 12.* On tracing cloth. MS.

**Section of ANICUT to accompany Monthly Report for June 1862.**

Chepank, 24th March 1863. *Size, 15 inches by 29.* On tracing cloth. MS.

*Nagatoor Division.*

Plans sanctioned in the GOVERNMENT PROCEEDINGS,  
No. 3576, on 14th December 1864.

(No. 1.) Proposed 8 feet Culvert. *Scale, 10 feet to 1 inch ; size, 19 inches by 23.*  
On tracing cloth. MS.

(No. 2.) 14 feet Culvert at Puggydial. *Scale, 8 feet to 1 inch ; size, 19 inches by 20.* On tracing cloth. MS.

Plans sanctioned in the Government proceedings, No. 461 of the 16th February 1865. *Scale, 8 feet to 1 inch.*

(No. 1.) Apron for Calingulah. *Size, 15 inches by 19.*

(No. 2.) Apron for Calingulah. *Size, 31 inches by 25.*

*Koondaur Division.*

Plans for the Sixth Section of MAIN CANAL. Signed I. O. E. Ludlow, Lieut.-Col. R.E., Acting Consulting Engineer for Irrigation and Canal Company. No date.

(No. 1.) Plan of Lock with Bridge, No. 7. 20 feet lift. *Scale, 8 feet to 1 inch ; size, 28 inches by 37.*

(No. 2.) Plan of Lock, Nos. 3, 6, 10, and 12. 10 feet lift. *Scale, 8 feet to 1 inch ; size, 23 inches by 28.*

(No. 3.) Plan of regulating Lock, No. 1, at the head of Sixth Section. *Scale, 8 feet to 1 inch ; size, 25 inches by 24.*

(No. 4.) Plan of Lock of 20 feet lift, Nos. 4, 5, 8, 9, 11. *Scale, 8 feet to 1 inch ; size, 28 inches by 30.*

(No. 5.) Plan of Lock of 30 feet lift, No. 2. *Scale to elevation, 16 feet to 1 inch ; scale to plans and section, 8 feet to 1 inch ; size, 27 inches by 37.*

(No. 6.) Plan of regulating Lock, No. 1, at the head of Seventh Section. *Scale, 8 feet to 1 inch ; size, 26 inches by 23.*

*Pennair Division..**Pennair Canal.*

Sketch Survey of the proposed KISTNAPATAM CANAL (from Kistnapatam to Mellore). 1860. *Scale, 2 inches to 1 mile ; size, 46 inches by 22.*  
On tracing cloth. MS.

Plans and sections, &c. of the details for the above CANAL, on 9 sheets of various sizes (tracing cloth). Dated Mellore, September, 1860. MSS.

PENNAIR DIVISION, 9th section; Scouring Sluices, 8 feet Culvert; Calingula, 10 ft. drop; Calingula, 8 ft. drop; Calingula, 12 ft. drop. Elevation of Western Wing Wall of Anicut at Rajoly.

*Bownassy Division.*

MADRAS IRRIGATION and CANAL COMPANY. Sketch Plan, showing Main Line from 43rd to 72nd mile, or 4th and 5th sections. *Scale, 1 inch to 1 mile ; size, 22 inches by 29.* MS.

No. 2. MADRAS IRRIGATION and CANAL COMPANY. Bownassy Division. Calingulah of 600 feet opening. *Size, 20 inches by 24.* MS.

No. 3. MADRAS IRRIGATION and CANAL COMPANY. Bownassy Division. Bridge under road from Yerragoodoor to Mittacondal. *Size, 20 inches by 29.* MS.

## No. 4. MADRAS IRRIGATION and CANAL COMPANY.

Bownassy Division. 3 feet culvert. *Size, 21 inches by 29.* MS.

## No. 5. MADRAS IRRIGATION and CANAL COMPANY.

Bownassy Division. 4 feet culvert. *Size, 21 inches by 29.* MS.

## No. 6. MADRAS IRRIGATION and CANAL COMPANY.

Bownassy Division. 6 feet culvert. *Size, 19 inches by 29.* MS.

## No. 7. MADRAS IRRIGATION and CANAL COMPANY.

Bownassy Division. Road bridge in ordinary section of canal. *Size, 13 inches by 22.* MS.

## MADRAS IRRIGATION and CANAL COMPANY. Bow-

nassy Division. Longitudinal section, 43rd mile to 72nd. *Size, 16 yards by 10 inches.* MS.

## MADRAS IRRIGATION and CANAL COMPANY. Bow-

nassy Division. Cross section of canal, Nos. 1, 2, 3, 4. *Size of each, 15 inches by 36.* MS.

## MADRAS IRRIGATION and CANAL COMPANY. Offices

and store at Bownassy. *Size, 20 inches by 25.* MS.

## MADRAS IRRIGATION and CANAL COMPANY. Car-

penters' and smiths' shed at Bownassy. *Size, 12 inches by 17.* MS.*Mysore, Hemavati Irrigation.*Survey of the SREERAMADAVUR, North and South CHANNELS, Nursipoor Talug. Drawing No. 1A. No date. *Scale, 4 inches to 1 mile; size, 37 inches by 72.* On tracing cloth. MS.Plan of MADAPOOR DAM (Heemavutty River). No date. *Size; 31 inches by 29.* On tracing cloth. MS.

## POINEY OR 'PONNAY IRRIGATION.

(1.) Sketch showing the general direction of the CHANNELS from the PONNAY RIVER, including those cut in 1863 and those proposed to be executed. *Scale, 1 mile to 1 inch; size, 19 inches by 58.* On tracing cloth. MS.(2.) Survey of the proposed NEW TANK at KARYKALL, together with its channel of supply from the North end of Parangangee Tank and the continuation of the channel from Parangangee Tank Eastward towards Moshoor. In three parts. *Size, 28 inches by 147.* On tracing cloth. MS.(3.) Section taken from the North End of the PARANGANGEE TANK to the Karykall Reservoir and on to Moshoor. *Scales, 30 yards and 12 feet to 1 inch; size, 14 inches by 45.* On tracing cloth. MS.(4.) Survey of a SOUTHERN BRANCH CHANNEL from Poiney Annicut. *Size, 77 inches by 27.* On tracing cloth. MS.

- (5.) Survey and Section of a proposed CHANNEL for Irrigating the Lands beneath the Tank of Thagracoopum Cottary. *Scales, 150 feet and 10 feet to 1 inch; size, 16 inches by 25. On tracing cloth. MS.*

### CAVARI DELTA, 1865-67.

Tracing No. 1. Sections of the Surplus Works of the RIVER CAUVERY, Upper Annicut.

Tracing No. 2. Proposed Vented Dam for RIVER CAUVERY, to be built 200 feet below the Grand Annicut, that work to be raised  $\frac{7}{10}$ ths of a foot or to 241.6 above datum line. Work to consist of 30 vents and 1 large arch for boats to pass through. *Scale 1.240; size, 42 inches by 46. MS.*

Tracing No. 3. Proposed Dams to be built across the CAUVERY and CODAMOORLY RIVERS, with Road Bridges for the regulation of the water. *Size, 37 inches by 44. MS.*

Tracing No. 4. Proposed Dams to be built across the CAUVERY and ARASALUR RIVERS, for the regulation of the water. *Size, 25 inches by 37. MS.*

Tracing No. 5. Proposed Dams to be built across the CAUVERY and VEERASHOLAN RIVERS, for the regulation of the water. *Size, 24 inches by 37. MS.*

Diagram of the Freshes of the RIVER CAUVERY, No. 1.

Diagram of the Height of the Water, from June to December 1865, on the different water gauges in the RIVER CAUVERY.

### PALAR IRRIGATION WORKS.

Maps and Plans, &c. of a Project for an Annicut across the PALAR, marked A, B, C, D, E, F, G, H, W. On tracing cloth. MSS.

- A. Plan, Sections, and Elevations of the Palar Annicut and Bridge. *Size, 29 inches by 89.*
- B. Surveys showing the Tauks and Channels of the South side connected with the Palaur Annicut Project. 1863. *Scale, 2 inches to 1 mile; size, 30 inches by 45.*
- C. Plan of the Palaur Annicut as built, and various sections. 1859. *Size, 24 inches by 37.*
- D. Indian Atlas, Sheet 78. Showing the Palar and Poiney projects in MS. 1862. *Size, 26 inches by 40.*
- E. Survey showing the position of the Annicut across the Palar, and the channels connected with it. 1862. *Scale, 1 inch to 1 mile; size, 24 inches by 25.*
- F. Survey showing the Channels of the North side connected with the Palaur Annicut project. *Scale, 4 inches to 1 mile; size, 44 inches by 72.*
- G. Sections of Mahandravady Channel in its finished state. 1860. *Size, 7 inches by 30.*
- H. Plan, Elevation, and Sections of the Mahandrawaddy Tank, New Calingulah, South side. *Size, 15 inches by 24.*
- W. Plan of Works connected with Palaur Annicut. No title: 1861. *Size, 18 inches by 42.*

## TAMBRAPOORNEY IRRIGATION, TINNEVELLY.

Sketch of the Irrigation dependent on the TAMBRAPOORNEY, below the Murdoor Anicut, showing the proposed channels to Tuticorin on the north and Trichendore on the south, with the new land to be brought under wet cultivation coloured yellow, in the Streevigoontum and Punjamahl Talooks of the Tinnevelly District. 1855. *Scale, 1 inch to 1 mile ; size, 26 inches by 30.* On tracing cloth. MS.

Plans and Sections of an Anicut and Bridge with Locks at both extremities, to be constructed across the TAMBRAPOORNEY at Streevigoontum. 1855. *Size, 18 inches by 45.* On tracing cloth. MS.

Sections of the proposed Channels to TUTICOORIN on the north and TUCHENDORE on the south, from the Tambrapoorney at Streevigoontum. Also longitudinal section of the latter below the Keelpedagay Head Sluice. 1855. *Size, 11½ feet by 10.* On tracing cloth. MS.

Masonry Works required in the NORTHERN CHANNEL. 1855. *Size, 18 inches by 23.* On tracing cloth. MS.

Masonry Works required in the SOUTHERN CHANNEL. Same size. MS.

## CALICUT AND COCHIN CANAL.

A Map of the Coast and navigable Backwater and Canal between BEYPORE and COCHIN. District Engineers' Office, Malibar. Calicut, 4th Nov. 1858. *Scale, 1 mile to 1 inch ; size, 1 foot by 8.* MS.

Sketch showing the Land and Water communication between the BEYPORE and MADRAS RAILWAY and COCHIN, within the limits of the Malabar District. Calicut, 1862. *Scale, 3 miles to 1 inch ; size, 37 inches by 22.* On tracing cloth. MS.

- + With a copy of foregoing map attached.

Sketch showing the Line of Water communication proposed by Colonel Cotton from TANOOR to KADALHOONDY RIVER, near Beypoor, &c. Calicut, 1858. *Scale, 8 inches to 1 mile ; size, 18 inches by 43.* On tracing cloth. MS.

Survey of the proposed Line of Canal between the POORAPARAMBA CANAL and KADALHOONDY RIVER. Calicut, 1858. No title. *Scale, 220 yards to 1 inch ; size, 14 inches by 36.* On tracing cloth. MS.

Levels taken along the proposed Line of Canal from POORAPARAMBA DAM to KADALHOONDY, &c. Calicut, 1858. *Size, 14 inches by 36.* On tracing cloth. MS.

Sections of Line of Coast Canal from COOTAL, on the Ponany River, to BEYPOOR. 1859. *Size, 25 inches by 36.* On tracing cloth. MS.

MALABAR DISTRICT. Revised plans, elevations, and sections of Locks, 100 feet in length and 20 feet in breadth, proposed to be erected on the present and proposed Canals between Ponany and Beypoor. 1860. *Size, 22 inches by 39.* On tracing cloth. MS.



## (d.) RIVERS OF INDIA WITH OUTLETS IN THE ARABIAN SEA.

### THE INDUS RIVER.

A Map of the INDUS and PUNJAB RIVERS from the sea to Lahore. By Lieut. Alexander Burnes, Assistant Resident in Cnteh, and lately on a mission to Lahore. Signed by the author, and dated, Lodeenna, 1st December 1831. *Scale, 8 miles to 1 inch; size, 58 inches by 33.* MS.

Section of the RIVER INDUS at its point of junction with the Pinjnud. Taken on the 5th of March 1833. *Size, 21 inches by 18.* MS.

The RIVER INDUS, and the neighbouring countries, comprising Sind, parts of Beloochistan and Afghanistan, Cashmeer, Punjab, Bhawalpoor, the protected Sikh States, Bickaneer, and Jaysalmeer; to the western part of Rajpootana. Compiled by order of Government in the office of the Surveyor-General, from authentic and recent materials. April 1834. By J. Graham, Assistant Surveyor and Head Draughtsman. *Scale, 16 miles to 1 inch.* Folded in case.

Course of the INDUS from Hyderabad to Sehwan, during the inundation; also the river Arrul with the Fulailee from its mouth to the Capital. By A. Whitburn, Midshipman, Indian Navy. *Scale,  $\frac{1}{2}$  inch to 1 mile; size, 31 inches by 26.* MS.

Chart of the INDUS from Hyderabad to the Sea. With remarks. By Lieut. Carless. 1836. *Scale, 4 miles to 1 inch; size, 26 inches by 20.* MS.

- I. Description of the Passage of the Indus at Attock by a bridge of boats (to accompany the Plan) by Lieut. R. Leech, of the Bombay Engineers.
- II. Description of the System of the Fords of the River Indus (to accompany the Plan), by Lieut. R. Leech. In 1 vol., fcap., half-bound.

INDUS TUNNEL at ATTOCK. Major A. Robertson, Superintending Engineer.

1. Section of the River Indus at the Seraie at Attock, showing the proposed tunnel. *Scale, 240 feet to 1 inch; vertical, 80 feet to 1 inch.*
2. Section of the River Indus at Attock, showing tunnel under river with lifts and footway.
3. Plan of the River Indus showing tunnel with lifts. *Scale, 160 feet to 1 inch.*
4. Plan of the River Indus near the Fort of Attock, showing two sites for a permanent bridge. *Scale, 1 to 3200.*
5. Plans and Elevations, five sheets.
6. Pumping Engine, two sheets.
7. Gas Machinery, five sheets.
8. Lift Machinery.
9. Timbering of Lift Shafts.
10. Details of Framing above Lift Shafts.
11. Details of Lifts.

Sections of Colonel Crommelin's plan.

Report on the RIVER INDUS by Assistant Surgeon J. F. Heddle. May 2, 1836. Fcap., 128 pages, sewed. MS.

Chart of the INDUS RIVER from Mittun to Attock. 1838. By Lieutenant J. Wood, Indian Navy. On 5 sheets. *Size of each, 29 inches by 21; scale, 2 geographical miles to 1 inch.*

Sheet 1. Mittun to Dera Ghazee Khan.

„ 2, part 1. Dera Ghazee Khan to Leia.

„ 2, part 2. Leia to Dera Ismael Khan.

„ 3. Dera Ismael Khan to Kalabagh.

„ 4. Kalabagh to Attock.

\* \* With remarks on the navigation, soundings, banks, extent of inundation ferries, &c. See also Bombay Selections, No. XVII.

An outline of the RIVER INDUS. Sheet No. 1, containing its course through the Delta from the Efflux of the Hujamree to the City of Tatta. *Scale, 2 miles to an inch.* By Lieut. J. Wood, Indian Navy. *Size, 19 inches by 23.* With notes and soundings. A continuation of this drawing in an unfinished state is carried through eight sheets to the parallel of Shikarpore.

Chart of the rise and fall of the RIVER INDUS at Bukhur and at Kotree in the years 1844, 1845, and 1846. *Size, 18½ inches by 38.*

Q. M. GENERAL'S ROUTE MAPS on the INDUS RIVER. On 5 sheets. 1838-50.

1. Routes between Camp near Vikkur Bunder and Tutta. Surveyed by the Quartermaster-General's Department, 19th December 1838. *Scale, 2 miles to 1 inch; size, 26 inches by 18.* MS.

2. Route between Tutta and Hyderabad. *Scale, 2 miles to 1 inch.* Surveyed by the Quartermaster-General's Department, February 1839. *Size, 26 inches by 18.* MS.

3. Survey from Kotree near Hyderabad to Selwan. By the Quartermaster-General's Department, 1839. *Scale, 2 miles to 1 inch; size, 42 inches by 18.* MS.

4. Survey from Selwan to Larkhauna. By the Quartermaster-General's Department, 1839. *Scale, 2 miles to 1 inch; size, 39 inches by 26.* MS.

5. Routes from Leia to Kalabagh on the right and left banks of the River Indus. Reduced from the original furnished by Lieut. J. J. Pollexfen, Deputy Assistant Quartermaster-General, 1850. *Scale, 4 miles to 1 inch; size, 37 inches by 29.* MS.

### *Indus Delta.*

A Map of the EASTERN MOUTH of the INDUS, and the country between it and the Puchun Island. By Lieutenant Burnes, Deputy Assistant Quartermaster-General in Cutch Camp, Bhooj, March 1827. *Scale, 4 miles to 1 inch; size, 26 inches by 23.* MS.

Sketch of the INDUS from the mouth of the TEETEEAH STREAM to HYDRABAD, with the PINYARREE BRANCHES. *Size, 28 inches by 23.* MS.

\* \* The sketch of the Main River represents its lowest state in the month of March; the Pinyarree and Teeteeah branches during the period of inundation in July and August.

Chart of the EASTERN DELTA of the INDUS. Surveyed by Lieut. A. M. Grieve, I.N. 1855-56. *Scale, 1 mile to inch; size, 26 inches by 39.* MS.

**SANAI CREEK.** Surveyed by Lieut. A. M. Grieve, I.N. 1855.  
*Scale, 100 feet to 1 inch; size, 30 inches by 52. MS.*  
 \* \* With numerous sections.

**GORABI CREEK.** Surveyed by Lieut. A. M. Grieve, I.N. 1855. *Scale, 200 feet to 1 inch.* On 3 large sheets, with 51 vertical sections. MS.

Report on the **KULLEEREE CANAL**, connecting the Indus with Garrah Creek and Kurrahee. By Capt. Le Messurier. With 7 maps and plans. Feap., sewed.

### *Indus Steam Flotilla.*

Plan, Elevation, and Section of **STEAM VESSELS.** *Scale,  $\frac{1}{8}$  inch to 1 foot; size, 27 inches by 40.*

Plan, Elevation, and Section of **CARGO BARGE.** *Scale,  $\frac{1}{8}$  inch to 1 foot; size, 14 inches by 40.*

Plans, Sections, &c. of **PASSENGER BOAT** for the **LOWER INDUS.** *Scale,  $\frac{1}{8}$  of an inch to 1 foot; size, 18 inches by 64. MS. Trace.*

## **PUNJAB CANALS.\***

### *Sirhind Canal.*

**SIRHIND CANAL.** General Plan. *Scale, 1 inch to 1 mile; size, 50 inches by 27.* On tracing cloth. MS. Signed by Lieut.-Col. J. Crofton, R.E., and Capt. R. Home. 1872.

**SIRHIND CANAL.** General Map showing the branches. *Scale, 4 miles to 1 inch; size, 30 inches by 51.* On tracing cloth. MS.

Plan III. **SIRHIND CANAL.** Block Plan of Head Works and Index to Sections of River and Country. *Scale, 10 inches to a mile; size, 22 inches by 31.* On tracing cloth. MS.

Plan IV., Sheet 3. **SIRHIND CANAL.** Detail of Gates for Dam Sluices. *Scale, 1100; size, 15 inches by 23.* On tracing cloth. MS.

Plan IV., Sheet 16. **SEESOOAN SUPERPASSAGE.** Block Plan Showing general dimensions.

Sheet 17. Up stream abutment and torrent works.

Sheet 18. Down stream abutment and torrent works.

Plan VII., Sheet 8. Cross Sections of the **SUTLEJ**, near **ROOPUR**, Longitudinal Section of **CANAL**, Sheets 1, 2.

**SIRHIND CANAL.** Cross Sections.

Head Sluices at **ROOPUR.** *Size, 23 inches by 30.*

Details of **DAM** at **ROOPUR.** *Size, 23 inches by 30.*

**BRIDGE** at **ROOPUR.** *Size, 23 inches by 30.*

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\* For the Punjab Rivers, see pages 233, 234.

*Bari Doab Canal.***BARI DOAB CANALS.—1850.**

PLAN No. 1. Baree Doab Canals, protraction of levels.

Sheet No. 1 (with a portion of sheet No. 2) showing on an enlarged scale the first 25 miles, being the only difficult portion of the proposed line. *Scale, 10 miles to 1 foot; size, 26 inches by 39.*

PLAN No. 2. Baree Doab Canals, general map.

Sheets Nos. 1 to 5. *Scale, 25 miles to 1 foot; size of each, 26 inches by 39.*

PLAN No. 3. Baree Doab Canals, sections.

Sheets Nos. 1 to 5. *Horizontal scale, 25 miles to 1 foot; vertical scale, 10 feet to 1 mile; size of each, 26 inches by 39.*

PLAN No. 4. Baree Doab Canals, masonry works.

Sheets Nos. 1 to 6. *Scale for plans, 1,000 to 1; scale for details, 100 to 1; size of each, 26 inches by 39.*

Signed. J. H. DYAS, Lt. Engineers, Executive Engineer, Baree Doab Canals.

R. NAPIER, Lt.-Col., Civil Engineer, Punjab.

**Plan No. 1. Section of Centre of Main Line, BAREE DOAB CANAL.**

July 1851. In 2 Sheets, marked Nos. 1 and 2. *Scales, horizontal, 12 inches to 1 mile; vertical, 20 feet to 1 mile; size of each sheet, 26 inches by 38.* MSS.

**BAREE DOAB CANAL, 3rd Division, Kussoor and Sobraon Branches, also position of the Main Line of Canal.** *Scale, 25 miles to 1 foot; size, 24 inches by 48.* On tracing cloth. MS.

*Sutlej Canal.*

Map of part of the country between the SUTLEJ and JUMNA RIVERS, to illustrate the Report on the Sutlej Canal Project. Plan No. 1, General Map. J. Crofton, Captain, R.E. 1862. *Scale, 8 miles to 1 inch; size, 24 inches by 56.*

*Bahawalpur Canals.*

Map illustrating the levels taken over the BANGUR land in the BHAWULPOOR and portion of the BIKANER STATES during the years 1869-70. *Scale, 8 miles to 1 inch.* With documents accompanying, including Mr. Barns' report.

A MS. Sketch of the Irrigation works in BHAWULPOOR on a printed map, with a margined note by H. Grey, June 1873. *Size, 26 inches by 31.*

**SIND CANALS.***West of the Indus.*

Plan No. 1. Map of part of the SHIKARPORE COLLECTORATE on the RIGHT BANK of the RIVER INDUS, showing the line of the proposed CANAL from SUKKUR to SHADADPOOR, together with the levels of the surface of the country, and of the rivers and watercourses. 1859. *Scale, 2 miles to 1 inch; size, 24 inches by 42.*

General Jacob's proposed CANAL from KUSHMORE on the INDUS to JACOBABAD. On sheets, 8. S.E. S.W. Indian Atlas.

*East of the Indus.*

Map of the EASTERN NARRA DISTRICTS from JAMBROW to NOWAKOTE. 1866. *Scale, 2 miles to 1 inch; size, 28 inches by 56.*

Plan of the NARRAH VALLEY from MITROW to WANGA BAZAR in the HYDRABAD COLLECTORATE, showing the levels and the line of the proposed CANAL. *Scale, 2 miles to 1 inch; size, 30 inches by 50.* On tracing cloth. MS.

Sketch illustrating the system of irrigation recommended by a committee on the GANGES CANAL. *Size, 8 inches by 13.* On tracing cloth. MS.

Map of the NARRAH VALLEY from SAMARA to near WANGA BAZAR in the HYDERABAD COLLECTORATE, showing the levels and the proposed CANAL from MITROW. *Scale, 2 miles to 1 inch; size, 26 inches by 20.* On tracing cloth. MS.

MITROW and WANGA BAZAR CANAL. Plan and sections of proposed Weir across the Owwud opposite Sehroo-ke-kua. *Size, 24 inches by 26.* On tracing cloth. MS.

Plan, section, and elevation of Regulating Bridge at Head of Canal near Bhakora.

Section of the ground from the first to the 32nd mile; from the 32nd to the 61st mile; and from the 61st to the 88th mile, showing the mean depth of Cutting for each mile. *Sheets, No. 1, 6, 7. Size of each, 12 inches by 19.*

Section of the ground from the 1st to the 9th mile, showing the mean depth of cutting for each mile on the Gabraila branch. *Sheet, No. 2.*

Plan and section of the proposed BAND along the south side of the Reservoirs of the OWWUD.

PLAN of a LOCK to admit of NATIVE BOATS descending the MITROW CANAL into the SILHOORWAH at HINGOORA.

### NERBUDDA RIVER.

Plan descriptive of the navigation of the NERBUDDA RIVER from HOOSUNGABAD to the SEA. Compiled in the office of the Surveyor-General of India from Major-General Malcolm's map of Malisa, Lieut. Elison's Trigonometrical Survey of the Nerbudda from Tulluekwarra to Liloor, and a native Itinerary sketch, completed in April 1834, by order of Lord William Bentinck, G.C.B. Calcutta, 5th February 1840. *Scale, 4 miles to 1 inch; size, 20 inches by 90.* MS.

The JUNCTION of the NERBUDDA and KHORWHY RIVERS. Drawn in water colour. *Size, 12 inches by 18.*

Journal of a VOYAGE down the NERBUDDA from HINDIAH to MUNDLEYSIR, by Lieut. N. Syme, in 1818. Fcap, 23 pages. MS.

### TAPTI CANALS.

Map of portion of SURAT COLLECTORATE, showing lines of proposed CANALS from TAPTEE. 1871. *Scale, 4 miles to 1 inch; size, 15 inches by 17.* On tracing cloth. MS.

Plan and longitudinal Section of portion of RIVER GIRNA,\* and adjacent country, showing a site for a lake, and also the position of a bundara and two canals leading from it. 1863. *Size, 28 inches by 36.* On tracing cloth. MS.

*Note.*

Besides the foregoing list of Indian Rivers and Canals, others will be found, as follows:—

The MANUSCRIPT REPORTS and CHARTS of the TRIGONOMETRICAL SURVEY OF INDIA, contain the following River Surveys, viz.:—

*In the Reports:—*

Ganges River Survey, Vol. 11, Parts 3 and 4; Vol. 12, Part 2.  
Gogra River Survey, Vol. 11, Part 3; Vol. 15, Appendix.  
Gunduck River Survey, Vol. 11, Part 2.  
Hoogly River Survey, Vol. 12, Part 4.  
Soane River Survey, Vol. 11, Part 3.

*In the Charts:—*

Indus River—Great Indus Series.  
Sutlej River—Sutlej Series.  
Brahmaputra River—Brahmaputra Meridional Series.  
Hoogly River—Calcutta Meridional Series.  
Gunduck River—Chendwar Meridional Series.  
Chenab River—Sutlej Series.  
Ravi River—North-west Series.

The CATALOGUE of MARINE CHARTS herein, commencing at page 547, contains many Indian Rivers.

The ADMIRALTY CHARTS also contain the following Indian Rivers:—

Indus Tidal Channels from Manora Point to Keduari Mouth. By W. A. Fenner, 1848-9. Corrected to 1867.  
Sedashigar Bay River, and Carwar Port. By Lieut. Taylor, I. N. 1855. Corrections to 1866.  
Cochin River Bar and Roadstead. By Lieut. Taylor, I. N. 1858-9. Corrections to 1868.  
Hoogly River, Calcutta to Saugur Point. By Com. Lloyd, I. N. 1836. Corrections to 1867. On 2 sheets.  
Soonderbunds, sea face of. By Com. Lloyd, I. N. 1840. Corrections to 1863. On 3 sheets. (Outlets of the rivers of the Ganges Delta.)  
Mutlah River. By Lieut. Ward, I. N. 1855. Corrections to 1863.  
Chittagong or Kurnafulee River. By Com. Lloyd, I. N. 1840.  
Aracan River. By Capts. Lloyd and Weston, I. N. 1832-45. Corrections to 1866.  
Irawaddy River. By Lieut. Winsor, R. N. 1825. Corrections to 1869. On 2 sheets.  
Rangoon and Bassein or Negrals Rivers. By Lieut. Ward, I. N. 1854.  
Salween River. By Lieut. Nolloth, R. N. 1843.  
Maulmain River and Amherst Road. By Lieut. Fell, I. N. 1842. Additions to 1868.

Report of the COMMISSION appointed by the Honourable East India Company to visit the RIVERS DANUBE and RHONE with the view of obtaining a conclusive opinion upon the description of boat adapted to the rivers in India. Amended issue. London, 1858. Fcap, printed cover.

\* A branch of the Tapti in Khandesh.

## 6. MAPS OF THE RAILWAYS OF INDIA.

- |   |  |
|---|--|
| 1. General Maps.                          | 10. Peshawar.                              |
| 2. Calcutta and South-eastern.            | 11. Hindustan and Central Asia (proposed). |
| 3. Eastern Bengal.                        | 12. Bombay Railways, General Maps.         |
| 4. Northern Bengal.                       | 13. Sind Railway.                          |
| 5. Calcutta and South-western (proposed). | 14. Indus Valley.                          |
| 6. East Indian Railway.                   | 15. Bombay, Baroda, and Central India.     |
| 7. Oudh and Rohilkhand.                   | 16. Great Indian Peninsula.                |
| 8. Rajputana Railways.                    | 17. Madras and Mangalore (proposed).       |
| 9. Punjab.                                | 18. Madras Railway.                        |
|   | 19. Great Southern of India.               |

### 1. *General Maps.*

Skeleton Map of INDIA showing the LINES of RAILWAY sanctioned, with the distance from the terminus of each line. To accompany Mr. Frere's Letters, No. 34, of 31st January 1858. *Scale, 100 miles to 1 inch; size, 20 inches by 90.* MS. tracing.

Sketch showing the several LINES of RAILWAY in the Presidencies of BENGAL, MADRAS, and BOMBAY. Madras, August 1858. *Size, 28 inches by 23.*

Sketch Map of INDIA showing the RAILWAYS, ROADS, and proposed TRAMWAYS by the Indian Tramway Company, Limited. 1862. *Size, 35 inches by 27.*

Sketch Map showing RAILWAYS in progress and TRAMWAYS proposed in the Central Province. 1862. *Scale, 36 miles to 1 inch; size, 17 inches by 20.*

Map of INDIA showing the LINES of RAILWAY in the year 1869. *Scale, about 160 miles to 1 inch; size, 17 inches by 13.*

Sketch Map showing proposed lines of LIGHT RAILWAYS for BENGAL. *Scale, 32 miles to 1 inch; size, 17 inches by 9.* Referred to in Railway Letters, No. 24, of 16th March 1864. MS. tracing.

Sketch to accompany REPORT, No. 14. No date. Actual Lines between Mooltan, Allahabad, Bombay, and Madras, in blue; with proposed extensions between Delhi and Indore, Agra and Hyderabad, &c., in red. *Size, inches by .* On tracing cloth. MS.

### 2. *Calcutta and South-eastern Railway.*

Map showing the proposed communication between CALCUTTA and the head of the MUTLAH RIVER by a Railway or by a Ship Canal. Signed W. E. Baker, Major, Consulting Engineer to Government of India Railway Department. Calcutta, 13 Dec. 1866.

Plans referred to in RAILWAY LETTERS, No. 4, of 1860. On tracing cloth. MS. :—

No. 1. Proposed Terminus at Calcutta. *Size, 54 inches by 72.*

No. 2. Approach into Calcutta. *Scale, 150 feet to 1 inch; size, 37 inches by 90.*

No. 3. No title. Part of the line in suburbs. *Scale, 80 feet to 1 inch; size, 49 inches by 53.*

Plan No. 1. Proposed TRAMWAY at MUTLAH. Jan. 1861.  
*Scale, 8 inches to 1 mile; size, 30 inches by 30. On tracing cloth. MS.*

Sketch Map showing COURSE of LINE. 1863. *Scale, 4 miles to 1 inch; size, 30 inches by 21.*

### 3. Eastern Bengal Railway.

Map of a portion of the DELTA of the GANGES, showing the Projected Lines of Railway and present Routes of Soonderbund Navigation. Oct. 1856. *Scale, 16 miles to 1 inch; size, 13 inches by 18.*

The EASTERN BENGAL RAILWAY, with Branches proposed to be eventually undertaken. Signed W. J. Fergusson, Secretary, E. B. R. Co. London, Feb. 1857. *Size, 39 inches by 28. MS.*

Sketch Map showing the EASTERN BENGAL RAILWAY and its Extensions. 1857. *Scale, 16 miles to 1 inch; size, 30 inches by 22.*

Plan and Section of the Line between CALCUTTA and the GANGES at Kooshtee. March 1857. *Scale, 1 mile to 1 inch. In 8 sheets, bound together in a cover. Size, 22 inches by 30.*

Portions of Districts MYMENSING and PUBNAH, showing proposed Extensions beyond the GANGES. Referred to in Railway Letter to Secretary of State, No. 77, of 1861. Dated 29th August. *Scale, 4 miles to 1 inch; size, 31 inches by 31.*

Survey of the RIVER GANGES above and below KOOSHTEE, made during the months of January, February, and March and April, 1863. *Scale, 20 chains to 1 inch; size, 37 inches by 54. On tracing paper. MS.*

Plan of the CALCUTTA TERMINUS. *Scale, 80 feet to 1 inch; size, 37 inches by 78. Referred to in Railway Letter, No. 95, of 17th November 1859. On tracing cloth. MS.*

Two Plans referred to in Railway Letter to Secretary of State, No. 25, of 13th May 1862. On tracing cloth. MSS.

No. 1. Survey of the River Ganges above and below Kooshtee, showing the New Channel made by the Ganges at the end of the Freshes in 1861. *Scale, 20 chains to 1 inch; size, 27 inches by 39.*

No. 2. Survey of the River Ganges above and below Kooshtee, executed during December and January 1861-62, showing the alterations made in the Channel of the river arising from the floods in the month of September 1861. *Scale, 20 chains to 1 inch; size, 35 inches by 84.*

Cross Sections of the RIVER GANGES, GORAIE, PUDDAH, and NEW CHANNEL, taken at the end of April 1863. \*\*\* Also showing the sections taken in 1862 of the same rivers. *Scales, horizontal, 20 chains to 1 inch; vertical, 20 feet to 1 inch; size, 20 inches by 30. On tracing paper. MS.*

GOALUNDO EXTENSION, General Plan. Survey of the Line from Jagotee Junction, near Kooshtee to Goalundo. *Scale, 1 inch to 1 mile; size, 36 inches by 63. On tracing cloth. MS.*

Plans referred to in Railway Letter to Secretary of State, No. 60, of 1862. On tracing cloth. MSS.

(No. 1.) Kissengunge District. Plan showing the way in which it is proposed to alter the banks of the rivers near Kissengunge. *Scale, 80 feet to 1 inch; size, 27 inches by 36.*



- (No. 2.) Kissengunge District. Longitudinal and cross sections along the lines of piers of the Echamuttee Viaduct. Taken in December 1861. *Scale, 20 feet to 1 inch; size, 35 inches by 25.*
- (No. 3.) Longitudinal sections of the junction of the rivers at Kissengunge. *Scales, horizontal, 80 feet to 1 inch; vertical, 10 feet to 1 inch; size, 25 inches by 37.*
- (No. 4.) Survey of the junction of the rivers at Kissengunge, showing the alterations made by the floods of 1861. *Scale, 80 feet to 1 inch; size, 25 inches by 37.*
- (No. 5.) Cross section showing the way in which it is proposed to alter the banks of the rivers near Kissengunge. *Scale, 20 feet to 1 inch; size, 15 inches by 37.*

#### 4. Northern Bengal Railway.

NORTHERN BENGAL RAILWAY SURVEY. Enclosure to Railway Letter, No. 10, of 1873. *Size, 28 inches by 38.*

The DARJEELING RAILWAY. Map showing the Station of DARJEELING, with the proposed Line of Railway and its connexion with the East Indian Railway. No date. *Scale, 25 miles to 1 inch; size, 24 inches by 26.*

Another copy with alterations.

#### 5. Calcutta and South-western (Nagpore) Railway (proposed).

CALCUTTA and SOUTH-WESTERN RAILWAY, Hamilton H. Fulton, Inst. C.E. No date. *Scale, 64 miles to 1 inch; size, 17 inches by 21.* MS.

Surveys for a RAILWAY from NAGPORE towards CHUTTEES-GURH. Enclosure to No. 68, Railway Letters, 1872. *Scale, 4 miles to 1 inch; size, 3 feet by 6.* On tracing cloth. MS.

Sketch Map showing RAILWAYS in progress and TRAMWAYS proposed in the CENTRAL PROVINCES. 1862. *Size, 16 inches by 20.*

#### 6. East Indian Railway.

Plans, &c. of the RAILWAY SLIP at CALCUTTA, by J. M. Seppings, Surveyor. Calcutta, 13th September 1842:—

- No. 1. Cradle of the Railway Slip. *Scale,  $\frac{1}{2}$  inch to 1 foot; size, 22 inches by 81.* MS.
- No. 2. Plan of machinery, &c. *Scale,  $\frac{1}{2}$  inch to 1 foot; size, 15 inches by 27.* MS.
- No. 3. Sections of machinery, &c. *Scale,  $\frac{1}{2}$  inch to 1 foot; size, 14 inches by 23.* MS.
- No. 4. General arrangements. *Scale,  $\frac{1}{2}$  inch to 1 foot; size, 14 inches by 44.* MS.

Map of the EAST INDIAN RAILWAY, showing the line proposed to be constructed to connect Calcutta with the North-west Provinces and the intermediate civil and military stations, to accompany the Report of the Managing Director of the East Indian Railway Company. 1846. *Scale, 25 miles to 1 inch; mounted to fold in a case; size, 11 inches by 8.*

\* \* Shows also the geological features.

Section of the TRUNK LINE of the EAST INDIAN RAILWAY connecting Calcutta, via Mirzapore, with the North-west Provinces. To accompany the Report A., 1847 of the Managing Director to the Chairman, &c. of the East Indian Railway Company. 1847. *Scales, horizontal, 5 miles to 1 inch; vertical, 200 feet to 1 inch; size, 9 inches by 169.*

Map of the proposed GRAND TRUNK RAILWAY, with its branches and alternative lines, as laid down in the Report of the Railway Commission. To accompany the 3rd edition of "Indian Railways." Also showing the railway advocated by Mr. Andrew. *Size, 22 inches by 30.*

Map showing the general course of the EAST INDIAN RAILWAY. *Scale, 32 miles to 1 inch; size, 15 inches by 26.*

Map of the DRAINAGE crossing the proposed Line of Railway through the GANGES VALLEY. Reduced from the Revenue Survey Maps. Copied in the S. G. O. Calcutta, May 1853. *Scale, 16 miles to 1 inch; size, 17 inches by 28.* MS.

Outline Map of the RAILWAY in progress between HOWRAH and RANEEGUNJ. The proposed extension to Allahabad, via Rajmahal, Baugulpoor, and Mirzapoor, and alternative routes by Bettiah Ghat and by the Valley of the River More. 1853. *Scale, 8 miles to 1 inch; size, 30 inches by 58.* On tracing cloth. MS.

MORE VALLEY LINE. Trial section from SOOREE to BHAGULPOOR. 1853. *Scales, horizontal, 1 mile to 1 inch; vertical, 80 feet to 1 inch; size, 15 inches by 132.* On tracing cloth. MS.

SOOREE DIVISION. Cuttings and embankments. March 1854. *Scale, 10 feet to 1 inch; size, 27 inches by 40.* MS.

Trial Section of the proposed Line of Railway from RAJMAHAL to MONGHYR. 1853. *Scales, horizontal, 1 mile to 1 inch; vertical, 80 feet to 1 inch; size, 15 inches by 133.* On tracing cloth. MS.

Trial Section of the proposed Line of Railway from MONGHYR to the RIVER SOANE. 1853. *Scales, horizontal, 1 mile to 1 inch; vertical, 80 feet to 1 inch; size, 15 inches by 141.* On tracing cloth. MS.

Trial Section of the proposed Line of Railway from RIVER SOANE to BENARES. 1853. *Scales, horizontal, 1 mile to 1 inch; vertical 80 feet to 1 inch; size, 15 inches by 130.* On tracing cloth. MS.

Designs for a proposed Bridge to cross the RIVER SOANE. Signed G. Turnbull, 4th November 1854. *Scale, 20 feet to 1 inch; on 5 sheets; size of each, about 12 inches by 188.* MS.

Plan and Sections of proposed Crossing of the RIVER SOANE, showing the position of the shafts and boring. Signed George Turnbull, Calcutta, 4th November 1854. *Scales, 150 feet and 15 feet to 1 inch; on 2 sheets; size of each, 25 inches by 34.* MSS.

Details of proposed Wrought-iron Girder Bridge to cross the RIVER SOANE. Signed Geo. Turnbull, 4th November 1854. *Scale, 1½ inch to 1 foot, and 4 feet to 1 inch; on 4 sheets; size of each, 27 inches by 40.* MSS.

Map (of the EAST INDIAN RAILWAY) to accompany the Report of Directors, dated 15th April 1856. *Size, 27 inches by 39.*

\* \* \* Showing the portions allotted to different contractors for construction.

Section showing proposed alteration of Gradients at the GAMBRIA NUDDY. July 1857. *Size, 10 inches by 41.* On tracing cloth. MS.

SOUTH BEERBHOOM DIVISION. Khurree Bridge. (Plan, sections, and elevation.) *Scale, 8 feet to 1 inch; size, 27 inches by 40.* MS.

Sketch Plan showing DADPOOR JHEEL. Signed G. Turnbull, 10th July 1857. *Scale, 1 mile to 1 inch; size, 12 inches by 9.* On tracing cloth. MS.

Trace from Part of Sheet No. 4, SOUTH RAJMAHAL DIVISION, showing proposed site of openings, Dadpur Jheel. July 1857. *Size, 13 inches by 31.* On tracing cloth. MS.

SOUTH RAJMAHAL DISTRICTS. Section showing site originally proposed for the Flood Arching at Dadpoor Jheel. July 1857. *Size, 10 inches by 28.* On tracing cloth. MS.

Bridge over the HADJAI RIVER, and Bridge over the MORE RIVER, showing the state of the works at the commencement of the rainy season, 1857.. *Scale, 40 feet to 1 inch; size, 12 inches by 53.* - On tracing cloth. MS.

SEETAPAHAR ROCK CUTTING near Rajmahal. August 1858. *Scales, 200 feet and 20 feet to 1 inch; size, 11 inches by 27.* On tracing cloth. MS.

PLANS, signed George Turnbull, 7th July 1858. On tracing cloth. MSS.:—

- (1.) Plan and Section of proposed Extension Railway from Raneegunge Station to Searsole Colliery. *Scales, horizontal, 300 feet to 1 inch; vertical, 30 feet to 1 inch; size, 25 inches by 59.*
- (2.) Sketch Plan showing a proposed Extension to the Grand Trunk Road for the accommodation of the neighbouring collieries. *Scale, 500 feet to 1 inch; size, 35 inches by 28.*

Sketch of proposed TIMBER FRAMING, placed temporarily on Piers and Inverts, to expedite the opening of the line where labour is scarce. Oct. 1858. *Scale, 4 feet to 1 inch; size, 18 inches by 37.* On tracing cloth. MS.

BRIDGES in SOANE DISTRICT, signed G. Turnbull, and dated 18th August 1858.

- (1.) Arching over the Doomree Nullah at peg 79,100, and arching at peg 85,950. *Scale, 20 feet to 1 inch; size, 13 inches by 28.*
- (2.) Bridge over Thora Nullah at 12 miles. *Scale, 20 feet to 1 inch.*  
Also Poonpoon Bridge. Drawing showing work executed 7 miles East of Patna. *Scale, 40 feet to 1 inch; size, 11 inches by 40.*
- (3.) Arching at 58 miles  $3\frac{1}{2}$  furlongs, near Dumraon, Kao Nullah. *Scale, 20 feet to 1 inch; size, 12 inches by 27.*
- (4.) Elevations of the Bunnas Bridge at 37 miles 3 furlongs, the Nuggree Bridge at 25 miles 1 furlong, and the Sihur Bridge at 23 miles 3 furlongs. *Scale, 20 feet to 1 inch; size, 15 inches by 47.*
- (5.) Bridge over the River Kurumnassa. *Size, 7 inches by 24.*
- (6.) Bridge over the Hadjai River, 32 arches, 50 feet span; and Bridge over the More River, 24 arches, 50 feet span. *Scale, 40 feet to 1 inch; size, 12 inches by 55.* (Showing the parts built up to date.)

Plans referred to in RAILWAY LETTER, No. 4, of 31st January 1859. On tracing cloth. MSS.:—

- (1.) Well Curbs for Foundations used in Cawnpore District. *Size, 14 inches by 14.*
- (2.) Plan of Curb for Bottom of Wells, Lower Pandoo Bridge. *Scale, 1 foot to 1 inch; size, 22 inches by 15.*

Sketch referred to in GEO. TURNBULL'S LETTER of 28th March 1859. *Scale, 25 miles to 1 inch; size, 13 inches by 23.* On tracing cloth. MS.

Plans referred to in RAILWAY LETTER to SECRETARY OF STATE, No. 68 of 1859. Enclosed in G. Turnbull's No. 1740, dated 27th May 1859. On tracing cloth. MSS.:—

- (1.) Proposed Extension from Raneegunge to the River Barrakur. Map showing the several Lines of the Trial Sections taken January, February, and March, 1859. *Scale, 1 mile to 1 inch; size, 29 inches by 49.*
- (2.) Outline Map showing the present River Line by Rajmahal, Monghyr, and Patna to Benares; also the Line to Raneegunge and its proposed Extension to the River Barrakur; also showing a practicable route from a point near the Barrakur through the Kurhurbalee Coal Field and on to Patna, recommended for investigation whenever a direct route to Benares may be again brought under discussion. *Scale, 8 miles to 1 inch; size, 29 inches by 50.*
- (3.) Proposed Branch Lines up the Valley of the River Singarron. Plan of a Trial Section made in April 1859. *Scale, 4 miles to 1 inch; size, 14 inches by 47.*

Map of the Railway Line from TONSE RIVER to the Borders of the CAWNPORE and ETAWAH Districts, showing stations and level crossings. No date, 1860? *Scale, 4 miles to 1 inch; size, 19 inches by 60.* On tracing cloth. MS.

MONGHYR DISTRICT. Longitudinal section of Monghyr Tunnel, denoting the progress of the excavation from its commencement in April 1856 up to September 1860, and the rock formation. *Scale, 10 feet to 1 inch; size, 30 inches by 147.* On tracing cloth. MS.

JUMNA BRIDGE at ALLAHABAD. Drawing of one pier. *Scale, 4 feet to 1 inch; size, 26 inches by 30.* Referred to in Railway Letter, No. 105, of 1860. On tracing cloth. MS.

Comparative Sections of the RIVER JUMNA at ALLAHABAD. *Scales, 100 feet and 10 feet to 1 inch; size, 30 inches by 45.* On tracing cloth. MS. Referred to in Railway Letter, No. 29, of 19th April 1861.

Skeleton Map showing the Surveys for the JUBBULPORE LINE, E. I. Railway. July 1860. *Scale, 4 miles to 1 inch; size, 66 inches by 30.* On tracing cloth. MS.

A Map of the Country about MONGHYR, showing the lines of railway. No title. *Scale, 1 mile to 1 inch; size, 18 inches by 16.* On tracing cloth. MS.

Permanent Ways. LUCKNOW and CAWNPORE LINE and EAST INDIAN RAILWAY. Marked No. 1.\* *Scale, 2 feet to 1 inch; size, 26 inches by 32.* On tracing cloth. MS.

EAST INDIAN RAILWAYS. Permanent Ways. Marked No. 3.\* *Size, 26 inches by 40.* On tracing cloth. MS.

Plans referred to in RAILWAY LETTER to the SECRETARY OF STATE, No. 73, of 8th October 1859. On tracing cloth. MSS.

No. 1. Monghyr District. General map showing position of proposed branch line. *Size, 16 inches by 21.*

No. 2. Plan showing proposed branch line from Jamalpoor Station to the River Ganges at Monghyr. With survey of roads leading from Monghyr to Safiabab and Nowaghuray. *Scale, 600 feet to 1 inch; size, 30 inches by 51.*

\* For Nos. 2 and 4 see Oudh Railway.

Railway Lines in MONGHYR DISTRICT. No title or date.  
*Scale, 1 mile to 1 inch ; size, 18 inches by 17.* On tracing cloth. MS.

DRAWINGS of ROLLING STOCK. Referred to in Railway Letter from Government of India, No. 85, of 27th October 1859. Marked A, Ai, B, C, D, E, F. On tracing cloth. MSS. Various sizes.

Plan of the Country between CHANDERNAGORE and CALCUTTA, showing the lines of the E. I. R. and E. B. R., and the proposed junction between them. 1858. Referred to in Railway Letter to Secretary of State, No. 15, of 28th March 1860. *Scale, 1 mile to 1 inch ; size, 13 inches by 26.* No title. On tracing cloth. MS.

Plans of the AGRA TERMINUS and STATION. Referred to in Railway Letter, No. 77, of 1860. On tracing cloth. MSS.

(1.) General Plan of Agra Terminus. *Scale, 60 feet to 1 inch ; size, 38 inches by 90.*

(2.) Agra Passenger Shed. (Plan.) *Scale, 8 feet to 1 inch ; size, 32 inches by 68.*

(3.) Agra Passenger Shed. Cross section and elevations of North-east and South-west fronts. *Scale, 8 feet to 1 inch ; size, 37 inches by 29.*

(4.) Agra Passenger Shed. Longitudinal section on centre line of building and railway, and side elevation. *Scale, 8 feet to 1 inch ; size, 24 inches by 69.*

Plan of the proposed Work to defend the Railway Bridge over the JUMNA at DELHI. *Scale, 20 feet to 1 inch ; size, 27 inches by 38.* Tracing cloth. MS. Referred to in Railway Letter, No. 52, of 8th October 1862.

DELHIE DISTRICT. Plan of a Portion of the City of Delhie, showing centre Line of Railway. *Scale, 150 feet to 1 inch ; size, 26 inches by 41.* Tracing cloth. MS. Referred to in Railway Letter, No. 52, of 8th October 1862.

No. 1. DELHIE DIVISION, P. W. Sections across Selimghur and the low ground at the N.E. angle of the Palae (Delhi). *Scales, 100 feet and 20 feet to 1 inch ; size, 39 inches by 30.* Referred to in Railway Letter to Secretary of State, No. 54, of 17th October 1862. On tracing cloth. MS.

No. 2. Plan and Section showing JUMNA BRIDGE, DELHIE, and EAST APPROACH. *Scale, 150 feet to 1 inch ; size, 21 inches by 52.* Referred to in Railway Letter, No. 54, dated 17th October 1862. On tracing cloth. MS.

No. 3. Alternative Designs for Bridge Head at DELHIE. *Scale, 30 feet to 1 inch ; size, 9 inches by 19.* Referred to in Railway Letter, No. 54, of 17th October 1862. On tracing cloth. MS.

DELHIE DISTRICT. Plan of a Portion of the City of Delhie, showing centre line of railway. *Scale, 150 feet to 1 inch ; size, 22 inches by 43.* Referred to in Railway Letter, No. 54, of 17th October 1862. On tracing cloth. MS.

Drawings of BEERBHOOM DISTRICT. Referred to in Railway Letter to Secretary of State, No. 63, dated 7th September 1863 :—

No. 1. Ground Plan of the Buckesoor River, 107th to 108th mile. *Scale, 150 feet to 1 inch ; size, 37 inches by 42.*

No. 2. Drawing of flood arches near the 108th mile from Howrah and 370 yards south of the Buckesoor Bridge as they were originally constructed in 1855–56. *Scale, 8 feet to 1 inch ; size, 26 inches by 37.*

No. 3. Drawing showing the condition of the flood arches after the flood of the 24th October 1862. *Scale, 8 feet to 1 inch ; size, 27 inches by 30.*

No. 4. Sections along line of railway, &c. No title. *Size, 11 inches by 37.*

No. 5. Extra four openings of 60 feet south of the Buckesoor River. *Scales, 8 feet and 4 feet to 1 inch ; size, 37 inches by 48.* On tracing cloth. MSS.

**BENARES TERMINUS.** Plan showing general arrangements. *Scale, 60 feet to 1 inch; size, 30 inches by 67.* Referred to in Railway Letter, No. 84, of 31st December 1863. On tracing cloth. MS.

Plans referred to in RAILWAY LETTER to SECRETARY of STATE, No. 7, of 1864. On tracing cloth. MSS.

(1.) Benares District. Course and levels of drainage from Buckainea to Ganges and Karumnassa Rivers. *Scale, 1 mile to 1 inch; size, 16 inches by 21.*

(2.) Soane District, Buxar Division. Plan and section of River Karumnassa. *Scales, 200 feet and 20 feet to 1 inch; size, 26 inches by 70.*

**CAWNPORE DISTRICT.** Proposed Junction of the Indian Branch with the East Indian Railway at Cawnpore. 15th February 1865. *Scale, 150 feet to 1 inch; size, 28 inches by 59.* Lithograph.

Plan of a portion of the CITY of DELHIE, showing the proposed communication with the intended Railway Station. March 1865. *Scale, 300 feet to 1 inch; size, 21 inches by 37.* On tracing cloth. MS.

General Plan of GAZEERABAD STATION. March 1865. *Scale, 60 feet to 1 inch; size, 27 inches by 88.* On tracing cloth. MS.

Plan (of CALCUTTA) to accompany Mr. Rendel's Report to the Board of the East Indian Railway Company, dated 24th October 1865. (Showing the proposed bridge over the Hooghly, and the extension of the East Indian Railway to connect with the Eastern Bengal Railway.) *Scale, 6 inches to 1 mile; size, 32 inches by 63.* On tracing cloth. MS.

Map of CANTONMENT at MEERUT, taken from actual survey in 1860. Showing actual and proposed boundaries. *Scale, 8 inches to 1 mile.*

\* \* Showing also the line of Delhie Railway and the positions of the Meerut Station. 1866. *Size, 39 inches by 54.*

Proposed Extension of the EAST INDIAN RAILWAY to SCALDAH by subway under the River Hoogly, by Fred. Chas. Danvers, A.I.C.E. February 1868. *Size, 30 inches by 54.* On tracing cloth. MS.

**TUBULAR TUNNEL** under the HOOGLY. (Plans and Sections.) Signed J. A. Longridge. 9th March 1868. *Scale, 50 feet and 10 feet to 1 inch; size, 27 inches by 77.*

**TUBULAR TUNNEL** under the HOOGLY. (Transverse Section and Elevation.) Signed J. A. Longridge. 9th March 1868. *Scale,  $\frac{1}{2}$  inch to 1 foot; size, 24 inches by 57.* MS.

## 7. Oudh and Rohilkhand Railway.

**OUDE RAILWAY.** Map showing the Territory of Oude, with the proposed Lines of Railway, and their Connexion with the East Indian Railway. *Scale, 25 miles to 1 inch; size, 24 inches by 35.*

Plan and Section of proposed Cast-iron Permanent Way for ROHILCUND RAILWAYS. June 1860. *Scale,  $\frac{1}{4}$  natural size; size, 20 inches by 25.* On tracing cloth. MS.

Plan of Part of the NORTH-WEST PROVINCES, showing proposed Railroad and Roads in Rohileund. 29th May 1861. *Scale, 16 miles to 1 inch; size, 23 inches by 31.*

**NORTHERN EXTENSION**, showing proposed Routes to Mozuffernuggur and Saharanpoor (to accompany Report). *Scale, 4 miles to 1 inch ; size, 28 inches by 27.* On tracing cloth. MS.

**PERMANENT WAY.** Rail and Sleeper. Sections and Elevation. Nos. 2 and 4. On 2 sheets. *Size, 23 inches by 37.* On tracing cloth. MSS.

\* \* Nos. 1 and 3 of this series relate to the East India Railway, and are to be found accordingly in page 147.

Map to accompany **REPORT of COMMITTEE** assembled on 13th November 1867 to inquire into certain matters connected with the Oude and Rohileund Railways. *Scale, 25 miles to 1 inch ; size, 13 inches by 16.* On tracing cloth. MS.

Map of **OUDE and ROHILCUND**, showing the Lines of Railway originally proposed and referred to Government, and those sanctioned by Government. May 20th, 1869. *Size, 27 inches by 32.*

### 8. Rajputana Railways.

Part of **RAJPOOTANA**, Sheet No. 4, with a Railway Line from Delhi to Ajmeer, recommended by Mr. Sibley. Also a branch through Bhurtpore to Agra, recommended by Mr. Sibley, and an alternative line between Rewaree and Jeypore, &c. *Size, 27 inches by 40.*

**RAJPOOTANA.** Railways completed. Branch railway proposed in paragraph 6 of the Railway Committee Report of 6th April 1866. Railways proposed by the Agent of the Governor-General, Rajpootana. Railway extension to Seinde as contemplated. No title. *Scale, 24 miles to 1 inch ; size, 25 inches by 31.* On tracing cloth. MS.

Part of **RAJPOOTANA**, Sheet No. 4, with the Railway from Delhi to Rewaree, and Agra to Sambar Lake. Enclosure to Railway Letter, No. 143, of 1871. *Size, 41 inches by 38.*

### 9. Punjab Railway.

Map of Country between **LAHORE** and **DELHI**, showing Lines of Railway, &c. *Scale, 4 miles to 1 inch ; size, 22 inches by 40.* Lithograph.

**PUNJAB RAILWAY.** Passenger Station, Umritsur (Plan, Section, and Elevation). *Scale, 10 feet to 1 inch ; size, 27 inches by 40.* On tracing cloth. MS. Referred to in Railway Letter, No. 76, of 1860.

Plan showing arrangement of the **UMRITSUR STATION.** Sept. 1859. *Scale, 2 chains to 1 inch ; size, 15 inches by 27.* On tracing cloth. MS. Referred to in Railway Letter, No. 93, of 11th Nov. 1859.

Plan showing General Arrangement of **LAHORE STATION.** July 1859. *Scale, 2 chains to 1 inch ; size, 19 inches by 50.* On tracing cloth. MS. Referred to in Railway Letter, No. 93, of 11th Nov. 1859.

Running Engine Shed, **UMRITSUR STATION.** *Scale, 10 feet to 1 inch ; size, 32 inches by 37.* On tracing cloth. MS. Referred to in Railway Letter, No. 76, of 1860.

Plan of Proposed New Line to **BUNDERGHAH, MOOLTAN.** Dec. 1866. *Scale, 20 chains to 1 inch ; size, 23 inches by 29.* On tracing cloth. MS.

10. *Peshawar Railway (Punjab).*

Plan of Line to RAWUL PINDI, showing proposed Divisions of Works. June 1868. *Scale, 16 miles to 1 inch; size, 20 inches by 25.* One MS. copy and lithographs.

11. *Hindustan and Central Asia Railway (proposed).*

Proposed HINDOSTAN AND CENTRAL ASIA RAILWAY. Ludvana to Mandi. Signed A. Ormsby, C.E. *Size, 14 inches by 9.* Lithograph.

Sketch Map of the proposed HINDOSTAN AND CENTRAL ASIA RAILWAY. Signed G. W. Owen. March 1867. *Scale, 4 miles to 1 inch; size, 22 inches by 30.* Lithograph.

12. *Bombay Railways, General Maps.*

Map of Portion of WESTERN INDIA, showing the Lines of Railway under the Bombay Government. Compiled at the Office of the Chief Engineer, Bombay, 27th August 1860. *Scale, 12 miles to 1 inch; size, 53 inches by 45.* MS.

Skeleton Map of the BOMBAY PRESIDENCY, showing the proposed Trunk Roads in the Deccan and Southern Mahratta Country.

\*\*\* Also the Great Indian Pacific Railway from Sholapoor to Bombay, and Captain Graham's proposed Railway from Poonah to Meeruj and Kolar. No date. *Size, 14 inches by 11.* Connected with the next map.

Map showing the projected BARODA and TANKARIA RAILWAY, the alternative line to Ambheta, and the proposed line from Surat to Baroda, and thence to Indora and Agra, with the Branch Line to Ahmedabad. No date.

\*\*\* Also in MS. the Great Indian Pacific Railway from Bombay to Burhampur, and Capt. Graham's proposed Railway to Nagpore. *Size, 15 inches by 11.*

Route Map of the BOMBAY PRESIDENCY, surveyed and collected by the Quartermaster-General's Department, Bombay Army. \*\*\* Showing in MS. the Lines proposed by the Bombay, Baroda, and Central India Railway Company, and the Line proposed by the Great Indian Peninsular Railway Company from Bombay to Candeish. Accompaniment to Letter to Secretary to Government, No. 118, dated 31st May 1854. *Scale, 20 miles to 1 inch; size, 58 inches by 36.*

*A Series of Maps, Views, and Tables by Colonel Kennedy.*

1. Tracing of the HARBOUR of BOMBAY and adjacent Country from the Admiralty Chart. The part coloured red shows the land that can be reclaimed to provide for the increasing requirements of the Mercantile Capital of India. With plans of Liverpool and New York for comparison, and a proposed Subway for the Bombay, Baroda, and Central India Railway in Back Bay. *Size, 52 inches by 82.* Mounted to roll. Partly MS.
2. Average CARTAGE DISTANCES to nearest RAILWAY in different countries compared. A Diagram of proportional squares, with a Table of the Cost of Cartage, and a Financial Scheme for Public Works. *Size, 52 inches by 56.* Mounted to roll. Partly MS.



3. A Skeleton Map to accompany the Report on the HINDO-STAN and THIBET ROAD for 1855, with views of the Road. Also a Map of the Island of Cephalonia, and Views. Also Tables of Railways in the United States, France, and the British Isles, &c. *Size, 50 inches by 52. Mounted to roll. Partly MS.*
4. Comparative Railway Maps of INDIA, GREAT BRITAIN, FRANCE, BELGIUM, and part of the UNITED STATES. *Size, 35 inches by 50. Mounted to roll. MS.*
5. The Rainfall Basins of INDIAN RIVERS, including their Tributaries. *Size, 58 inches by 68. On roller. MS.*

### 13. Sind Railway.

Map of GUZERAT and SCINDE, showing the Lines of a proposed Railway Company. (No date; probably about 1854.) *Scale, 20 miles to 1 inch; size, 22 inches by 17.*

SCINDE RAILWAY. General Plan of Line. *Scale, 4 miles to 1 inch; size, 22 inches by 30.*

Map of SCINDE showing the proposed Railway from Kurrachee to Kotree, the port of Hyderabad, with a branch to Jurruk. *Scale, 20 miles to 1 inch; size, 24 inches by 16.*

SCINDE RAILWAY. Kurrachee and Environs. January 1857. *Scale, 800 feet to 1 inch; size, 36 inches by 80. On tracing cloth. MS.*

Drawing No. 206. SCINDE RAILWAY, Kurrachee District. Section of Alternative Line from Kramaree. October 28th, 1858. *Scale, 4 chains to 1 inch; size, 19 inches by 129. On tracing cloth. MS.*

Drawing No. 207. SCINDE RAILWAY, Kurrachee District. Bund over the Chinnee Creek. Oct. 28, 1858. *Scale, 5 feet to 1 inch; size, 23 inches by 38. On tracing cloth. MS.*

SCINDE RAILWAY. No. 1. Plan. Sukkur to Scinde Frontier. Route to the Bholan Pass. May 15th, 1858. *Scale, 20 chains to 1 inch; size, 38 inches by 269. MS.*

SCINDE RAILWAY. No. 2. Section. Sukkur to Scinde Frontier. Route to the Bholan Pass. May 15th, 1858. *Scales, 20 chains and 20 feet to 1 inch; size, 26 inches by 249. MS.*

Plan of the Line from KEAMAREE to GHUZREE. October 28th, 1858. *Scale, 800 feet to 1 inch; size, 37 inches by 99. On tracing cloth. MS.*

Drawing No. 44. Plan of the original and alternative Lines between KURRACHEE and KEAMAREE. June 1859. *Scale, 800 feet to 1 inch; size, 37 inches by 56. On tracing cloth. MS.*

Plan showing Station (at Keamaree) as originally designed. Also Plan showing the approach which the adoption of Mr. Walker's line close to the Napier Mole would entail. April 27th, 1860. *Size, 37 inches by 30. On tracing cloth. MS.*

Drawing No. 112. SCINDE RAILWAY, Kurrachee District Plan of Line. January 4th, 1860. *Scale, 4 chains to 1 inch; size, 38 inches by 68. Two copies on tracing cloth. MSS.*

Map of SCINDE and the Punjab, showing the Line of Steam Transit along the Valley of the Indus. (Also the Railways in connexion therewith). 1861. *Size, 22 inches by 17.*

Map showing proposed ROUTE of the INDUS VALLEY RAILWAY. Compiled by John Brunton, M.I.C.E., &c., Chief Engineer of the Indus Valley Survey. 1863. *Scale, 20 miles to 1 inch; size, 27 inches by 22.*

Section of alternative Line from KEAMAREE to CLIFTON CROSSING. 7th February 1863. *Scales, 4 chains and 20 feet to 1 inch; size, 11 inches by 112.* Two copies on tracing cloth. MSS.

Drawing No. 518. SCINDE RAILWAY. INDUS STEAM FERRY. February 1863. *Scale,  $\frac{1}{2}$  an inch to 1 foot; size, 26 inches by 39.* On tracing cloth. MS.

Drawing No. 524. SCINDE RAILWAY. INDUS FERRY. Sections on Inclined Way, Hyderabad Side. April 15th, 1863. *Scale, 20 feet to 1 inch; size, 15 inches by 61.* On tracing cloth. MS.

Plan of KURRACHEE HARBOUR, showing the Lines to Keamari, to accompany the Chief Engineer's Report. Dated 20th March 1863. *Scale, 250 yards to 1 inch; size, 25 inches by 30.* On tracing cloth. MS.

Plan of KOTREE and ENVIRONS, to accompany Mr. Pinder's Report. February 28th, 1863. *Scale, 4 chains to 1 inch; size, 34 inches by 49.* On tracing cloth. MS.

SCINDE RAILWAY. Alternative Line. Proposed temporary Line over Chinnee Creek. February 7th, 1863. *Scale, 2 feet to 1 inch; size, 23 inches by 37.* On tracing cloth. MS.

SCINDE RAILWAY EXTENSION. General Map of the Country showing the Trial Section run through the Roree Districts, in the season 1863-64; and the altered and adopted line run in the season 1864-65. *Scale, 4 miles to 1 inch; size, 37 inches by 54.* On tracing cloth. MS.

Drawing No. 25. SCINDE RAILWAY EXTENSION. Indus Valley. General Map of the Country showing the alternative lines to accompany Chief Engineer's Report, No. 312, of 18th June 1864. *Scale, 4 miles to 1 inch; size, 36 inches by 148.* On tracing cloth. MS.

Drawing No. 27. SCINDE RAILWAY EXTENSION. Sectional lines crossing the valley of the River Indus. 19th June 1865. *Scales, 50 chains and 40 feet to 1 inch; size, 75 inches by 10.* On tracing cloth. MS.

SCINDE RAILWAY. Plan No. 1. May 7, 1866. *Scale, 2 miles to 1 inch; size, 68 inches by 38.* On tracing cloth. MS.

SCINDE RAILWAY. Section No. 4. Dated May 7, 1866. *Horizontal scale, 20 chains to 1 inch; vertical scale, 50 feet to 1 inch; size, 2 feet by 23.* On tracing cloth. MS.

Section No. 6. Same date and scales. *Size, 2 feet by 37.* On tracing cloth. MS.

Section No. 7. Same date and scales. *Size, 2 feet by 30.* On tracing cloth. MS.

Section No. 8. Same date and scales. *Size,  $2\frac{1}{4}$  feet by 13.* On tracing cloth. MS.

Section No. 9. Dated May 7, 1866. *Scale, horizontal, 2 miles to 1 inch; vertical, 400 feet to 1 inch; size, 18 inches by 68.* On tracing cloth. MS.

#### 14. *Indus Valley Railway.*

SCINDE RAILWAY. Plan. Sukkur to Scinde Frontier, Route to the Bholan Pass. Wm. Brunton, Chief Engineer, Punjab Railway, May 15th, 1858. *Scale, 20 chains to 1 inch; size, 3 feet by 22.* MS.

SCINDE RAILWAY. Section. Sukkur to Scinde Frontier, route to the Bholan Pass. *Horizontal scale, 20 chains to 1 inch; vertical scale, 20 feet to 1 inch; size, 2 feet by 20.* MS.

SCINDE RAILWAY. Map showing proposed route of the Indus Valley Railway. 1863. *Scale, 20 miles to 1 inch; size, 27 inches by 22.* Also copies of the same map, being "portion of the accompaniments referred to in letter "to Her Majesty's Secretary of State for India, No. 38, dated 8th September, "1866." On tracing cloth. MS.

INDUS VALLEY. General Map of the Country, showing the alternative lines. To accompany Chief Engineer's Report, No. 312, of 18th June 1864. John Brunton, Chief Engineer. *Scale, 4 miles to 1 inch; size, 3 feet by 12.* On tracing cloth. MS.

Drawing No. XXVII. SCINDE RAILWAY EXTENSION. Sectional Lines crossing the Valley of the River Indus, as laid down on the accompanying general map. John Brunton, Chief Engineer. 19th June 1865. *Horizontal scale, 50 chains to 1 inch; vertical scale, 40 feet to 1 inch; size, 1½ feet by 6.* On tracing cloth. MS.

SCINDE RAILWAY EXTENSION. General Map of the country, showing the Trial Section run through the Roree Districts in the season, 1863-64, and the altered and adopted line run in the season, 1864-65. John Brunton, Chief Engineer. July 25, 1866. *Scale, 4 miles to 1 inch; size, 36 inches by 54.* On tracing cloth. MS.

#### 15. *Bombay, Baroda, and Central India Railway.*

Plan showing proposed Lines of Railway from the VEETURUNEE RIVER to BOMBAY and to CULLIAN. No title. Signed, J. H. G. Crawford, Major, Superintending Engineer, Railway Department. Copied in the Chief Engineer's Office, Bombay, 28th April 1855. *Scale, 2 miles to 1 inch; size, 30 inches by 24.* On tracing cloth. MS.

Plan of the NURBUDDA RIVER, East and West of Crossings, Surveyed by J. F. Green, Assistant Engineer. Received, April 1856. *Scale, 200 feet to 1 inch; size, 38 inches by 86.* On tracing cloth. MS.

Maps showing Preliminary Survey from BOMBAY to SURAT, 1857. No. 1, to accompany Report of 10th March 1857. Signed, A. W. Forde, Chief Engineer. *Scale, 4 miles to 1 inch; size, 47 inches by 21.* On tracing cloth. MS.

Plan showing Proposed Line through the ISLAND of BOMBAY. No. 3, to accompany Report of 10th March 1857. Signed, A. W. Forde, Chief Engineer. *Scale, 300 feet to 1 inch; size, 37 inches by 174.* On tracing cloth. MS.

Plan from the VETURUNNEE to BOMBAY, showing alternative Lines. Signed A. W. Forde, Chief Engineer. 6th October 1859. *Scale, 1 mile to 1 inch; size, 25 inches by 67.* On tracing cloth. MSS.

Plan of the Islands of BOMBAY and COLABAH. Showing the Lines of Railway and the proposed Workshops, Passenger Station, and Goods Dépôt for the B. B. & C. I. Railway. Signed A. W. Forde, Chief Engineer. Referred to in Letter from Bombay, No. 63, of 1859. *Scale, 1,200 feet to 1 inch; size, 59 inches by 38.* On tracing cloth. MSS.

Reduced Section of Location. Direct Line from VETURUNNEE to BOMBAY. 1859. Signed A. W. Forde, Chief Engineer. *Scales, horizontal, 2 inches to 1 mile; vertical, 40 feet to 1 inch; size, 12 inches by 116.* On tracing cloth. MS.

Reduced Section from VETURUNNEE to BOMBAY, via PERSEEK. 1859. Signed A. W. Forde, Chief Engineer. *Scales, horizontal, 2 inches to 1 mile; vertical, 40 feet to 1 inch; size, 13 inches by 127.* On tracing cloth. MS.

Plan of BOREE BUNDER STATION, with proposed Extensions. Bombay, 24th October 1859. *Scale, 50 feet to 1 inch; size, 13 inches by 66.* On tracing cloth. MS.

Design for Viaduct across the NORTH CHANNEL of BASSEIN CREEK. Bombay, May, 1860. *Scale, 40 feet to 1 inch; size, 31 inches by 50.* On tracing cloth. MSS.

BOMBAY EXTENSION, Bridge No. 132 B., over the Mahim Creek. Bombay, May, 1860. *Scale, 8 feet to 1 inch; size, 20 inches by 40.* On tracing cloth. MSS.

Plan of part of BOMBAY, between FRENCH OVER BRIDGE and COLABA, with proposed Reclamation of Back Bay in connexion with B. B. and C. I. Railway. No title or date. *Scale, 200 feet to 1 inch; size, 3 feet by 8.* On tracing cloth. MS.

Diagram showing the progress of work from SURAT to AHMEDABAD. Accompanying Chief Engineer's Reports. March 20th, 1861. *Size, 18 inches by 86.* On tracing cloth. MS.

GUZERAT TRAMWAY. Map showing the direction of the proposed Tramway from Gogo to Ahmedabad. 1861. *Scale, about 13 miles to 1 inch size, 26 inches by 15.*

Map of GUZERAT and SCINDE showing the lines of a proposed Railway Company. *Size, 22 inches by 17.*

Proposed Extension from DADUR to COLABA. Signed, Charles Sanderson, Chief Engineer. 25th May 1861. *Scale, 1,200 feet to 1 inch; size, 22 inches by 37.* On tracing cloth. MS.

PROGRESS DIAGRAM, B. B. and C. I. Railway, up to February 1862. *Size, 8 inches by 58.* MS.

Map of the ISLAND of BOMBAY, completed to 1861. (Showing the Ground in possession of Railway Companies, and that permanently and temporarily required.) Referred to in Railway Letter to Secretary of State, No. 74, dated 25th November 1863. *Scale, 1,200 feet to 1 inch; size, 30 inches by 32.* On tracing cloth. MS.

Map of the ISLAND of BOMBAY, showing Reclamations proposed, in progress, or completed up to November 1863. *Scale, 600 feet to 1 inch; size, 98 inches by 49.*

\* Also the Lines of Railway of the B. B. and C. I. and G. I. P. Companies.

Map of Line from CHOWPATTY to COLABA. (Showing the Land required for the Works.) Signed F. Mathews. 9th December 1864. *Scale, 1,200 feet to 1 inch; size, 12 inches by 26.* On tracing cloth. MS.

Plan of Experimental Survey from ANUND to PETLAND. Signed F. Mathew, Chief Resident Engineer. 16th November, 1864. *Scale, 400 feet to 1 inch; size, 22 inches by 180.* On tracing cloth. MS.

Plan of Experimental Survey from ANUND to DAKORE. Signed F. Mathew, Chief Resident Engineer. 17th November 1864. *Scale, 400 feet to 1 inch; size, 25 inches by 258.*

Sketch of the PENINSULA of GOOZERAT, with Railways. 1865. *Size, 11 inches by 16.* On tracing cloth. MS.

IRON ROOFING on IRON COLUMNS required for WORKSHOPS at PARELL. September 1865. *Scale, 10 feet to 1 inch; size, 33 inches by 23.* Tracing cloth. MS.

DRAWINGS accompanying Letter No. 8 of 1866. Signed, Thomas M. Foy, Resident Engineer. Dated 11th February 1866. Without titles. On tracing cloth. MSS. :—

(1.) Plan of Survey of Line from Neemuch to Mogana. *Size, 24 inches by 46.*

(2.) Section of the same. *Size, 12 inches by 126.*

NEEMUCH EXTENSION SURVEY. Plan of an Experimental Line of Railway from Neemuch to Wassud. Accompanying Letter No. 33 of 1866. *Scale, 4 miles to 1 inch; size, 48 inches by 15.* On tracing cloth. MS.

The same reduced to 10 miles to 1 inch, and lithographed.

NEEMUCH EXTENSION SURVEY. Accompanying Chief Resident Engineer's Letter, No. 1,945, of 1867. Dated 9th June 1867. *Scale, 4 miles to 1 inch; size, 13 inches by 29.* On tracing cloth. MS.

Plan for an Extension Line of Railway, viâ BARODA, NEEMUCH, JYPOOR and DELHI. The shortest and most level line that can be constructed between Bombay and the North west of India. *Scale, 50 miles to 1 inch; size, 17 inches by 17.*

Plan of EXPERIMENTAL SURVEY from AHMEDABAD to VEERUNGAUM. Signed F. Mathew, Chief Resident Engineer. *Scale, 400 feet to 1 inch; size, 37 inches by 334.* On tracing cloth. MS.

KATTIAWAR SURVEY. Plan from Ahmedabad to Veerungaum viâ Samund. Signed F. Mathews, Chief Resident Engineer. 25th August 1866. *Scale, 2 inches to 1 mile; size, 25 inches by 79.* On tracing cloth. MS.

BOMBAY TERMINUS. Plan showing Land required for the Terminus and General Offices at Colaba. Accompanying Chief Resident Engineer's Letter, No. 2309, of 8th July 1867. *Scale, 100 feet to 1 inch; size, 37 inches by 58.* On tracing cloth. MS.

Proposed Plan for joining the B. B. & C. I. R. Terminus at Colaba, with the G. I. P. Railway Terminus at Moody Bay, by means of locomotive or horse power. 1867. *Scale, 200 feet to 1 inch; size, 26 inches by 69.* On tracing cloth. MS.

Sheds as erected at PARELL. Iron roofing for workshops. Dec. 1867. *Scale,  $\frac{1}{2}$  inch to 1 foot; size, 27 inches by 78.* Tracing cloth. MS.

Plan from the South End of the ESPLANADE STATION to the COLABA TERMINUS. With Chief Resident Engineer's Letter, No. 1475, of 1868. *Scale, 100 feet to 1 inch; size, 25 inches by 82.* On tracing cloth. MSS.

Map showing the situation of the B. B. & C. I. R. and G. I. P. R. with respect to the CITY of BOMBAY. Accompanying Chief Resident Engineer's Letter, No. 1630, of 1868. *Scale, 1,200 feet to 1 inch; size, 50 inches by 24.* On tracing cloth. MS.

Plan B. Showing the Breakwater constructed along the line of timber staging and the same extended to the Pier at COLABA, with the present Railway Reclamation Works extended to the above line of Breakwater. January 8th, 1869. *Scale, 600 feet to 1 inch; size, 12 inches by 40.* On tracing cloth. MS.

Plan of FORESHORE in BACK BAY, showing proposed position of permanent Railway Lines and Sidings between Marine Lines and the Foreshore at Colaba; also site of proposed Ride and Drive outside the Railway from Chopatty to Colaba. To accompany estimate, dated 22nd March 1871. *Scale, 200 feet to 1 inch; size, 29 inches by 96.* Tracing cloth. MS.

### 16. Great Indian Peninsula Railway.

Sketch of the proposed Line of Railway through the ISLAND of BOMBAY, taken from a Plan of the Island of Bombay. (No date.) *Scale, 1,200 feet to 1 inch; size, 44 inches by 18.*

General Maps for REPORTS of 1851, showing the different Ghats, Mr. Clarke's Line of Railway, &c. *Size, 43 inches by 36.* On tracing cloth. MS.

Map of the TANNAH COLLECTORATE, reduced from three sheets of Capt. T. Jervis' Konkun Atlas, on a scale of 2 miles to 1 inch. Executed in 1834. Showing the North-eastern and South-eastern Extensions and Malsej Ghaut Lines. Signed, James J. Berkley, Sept. 14th, 1852. *Scale, 4 miles to 1 inch; size, 48 inches by 25.* MS.

Approaches to BRIDGE at MAZAGON. *Scale, 100 feet to 1 inch; size, 9 inches by 19.* Tracing cloth. MS.

Plan of the proposed MAHIM BRANCH. *Scale, 300 feet to 1 inch; size, 20 inches by 29.* MS.

Proposed MAHIM BRANCH (Section). *Scales, horizontal, 4 chains to 1 inch; vertical, 20 feet to 1 inch; size, 20 inches by 42.* MS.

Map of the PROVINCE of CANDEISH, by Capt. John Briggs, showing the different routes by which Major Kennedy's and the G. I. P. R. Co.'s Lines would probably pass through Candeish. 1853. *Scale, 4 miles to 1 inch; size, 37 inches by 49.* MS.

Also "Extract from a Map of the PROVINCE of CANDEISH."  
Copied in the S. G. O. Calcutta, 20th May 1853. (From the foregoing map.)

**NORTH-EASTERN EXTENSION, No. 2.** General Map along Nerbudda Valley from Asscerghur to Jubbulpoor (showing the line of railway). 1854. *Scale, 8 miles to 1 inch; size, 24 inches by 40.*

**Design for BOMBAY TERMINUS.** Received April 1856. *Scale, 100 feet to 1 inch; size, 30 inches by 100.* On tracing cloth. MS.

**The THUL GHAT INCLINE,** on 4 Maps, marked Nos. 1, 2, 3, 4. September 1857. *Scale, 20 chains to 1 inch; size of each, 18 inches by 30.* On tracing cloth. MSS.

**The THUL GHAT INCLINE,** Reduced Sections, marked Nos. 8, 9, 10. September 1857. *Scales, 20 chains and 50 feet to 1 inch; on 3 sheets; size of each about 25 inches by 40.* On tracing cloth. MSS.

**GREAT INDIAN PENINSULAR RAILWAY, 1858.** The parts open for traffic under contract, &c.; with a table of distances. Also an enlarged plan of the line from Bombay to Tannah. 1858. *Size, 30 inches by 22.*

**BOMBAY STATION.** Plot of Ground proposed for Passenger and Goods Termini. Letter of 9th February 1859. *Scale, 200 feet to 1 inch; size, 27 inches by 40.*

**Two Sections of the GREAT INDIAN PENINSULAR RAILWAY,** without title or date. Signed, J. J. Berkley. Both are in Tannah Collectorate. *Sizes, 12 inches by 52, and 12 inches by 36.* On tracing cloth. MS.

**Crossing of RIVER KALOO,** near its Junction with the Oolassa. *Scales, 20 feet and 2 chains to 1 inch; size, 11 inches by 19.* On tracing cloth. MS.

**Contract No. 12.** Diversion of MAIL ROAD to be passed over Railway at 7 miles 6 chains. Plan and Sections. July 1859. *Size, 30 inches by 29.* On tracing cloth. MS.

**Contract No. 18.** (From SHOLAPORE to Point of Junction with the MADRAS RAILWAY.) Plans and sections marked Nos. 1, 2, 3, in duplicate, dated Bombay, June 1860. In three separate pieces of great length. On tracing cloth. MSS.

**Drawing of ARCHWAY in a CUTTING,** with Cross Sections of Parapet Wall and Section of Ground after Slip on 8th July 1860. Dated Bombay, 11th December 1860. No title. *Size, 28 inches by 66.* On tracing cloth. MS.

**Double 20-feet TUNNEL ARCH.** Contract No. 10. Plan, sections, and elevation. *Scales, 10 feet and 5 feet to 1 inch; size, 25 inches by 56.* On tracing cloth. MS.

**MUND VIADUCT.** Contract No. 13. Plan, sections, and elevation. Copies December 10th, 1860. *Scales, 20 feet and 8 feet to 1 inch; size, 28 inches by 78.* Tracing cloth. MS.

**The GREAT INDIAN PENINSULAR RAILWAY COMPANY** (a map of the line, showing the parts open, under construction, and surveyed; with an enlarged plan of the Island of Bombay). *On a scale of 1,200 yards to 1 inch; size, 30 inches by 22.*

**Diagram showing the Lines from SHOLAPORE to CUDDAPAH, HYDRABAD, RAICHOOR, and MOODGUL.** 1863. *Scale, 10 miles to 1 inch; size, 30 inches by 23.* Referred to in Railway Letter, No. 28, of 4th March 1864. On tracing cloth. MS.

# The GREAT INDIAN PENINSULAR RAILWAY COMPANY.

1866. (Being a Map of the Line open for traffic and under construction, and of the Extension Schemes.) *Scale, 33 miles to 1 inch; size, 18 inches by 27.*

Trial Section on the Main Line near KURJUL to Junction, with alternative line near CHOWK, at 10 miles 65 chains. November 1866. *Scales, 20 chains and 50 feet to 1 inch; size, 18 inches by 117.* Tracing cloth. MS.

Trial Section from CAMPOOLEE to HOG ISLAND. *Size, 8 inches by 13.* On tracing cloth. MS.

Trial Sections from CAMPOOLEE to HOG ISLAND. Direct Line, *viâ* Khalapoor, Chandolec, Sutwapass, on to Panwell; and Alternative Line *viâ* Khaiapoor, Chowk, on to Panwell. *Horizontal scale, 20 chains to 1 inch; vertical scale, 50 feet to 1 inch; size, 3 feet by 13 feet.* J. Ruston, July 19, 1866. On tracing cloth. MS.

Trial Plan from 63 miles 47.50 chains on the Main Line near KURJUT to Junction with Alternative Line near CHOWK at 10 miles 65 chains, and from Junction with Alternative Line near Chowk, at 11 miles 38 chains, to Penn. November 1866. *Scale, 20 chains to 1 inch; size, 36 inches by 92.* On tracing cloth. MS.

Map of the TANNAH COLLECTORATE from a Map by Captain T. B. Jervis. *Scale, 4 miles to 1 inch.* (Showing the Great Indian Peninsular Railway Main Line and Campoolee Branch, with proposed Lines from Campoolee to Hog Island, and from Kurjut to Apta and Penn. By J. Ruston.)

## 17. *Proposed Madras and Mangalore Railway, 1844.*

The ATLAS of INDIA. Sheets 43, 60a, 78. Showing "Line of Railway from Madras to Mangalore," projected in 1842, and presented to the H. E. I. Company by Alexander F. Campbell, late Lieut., R.E. January 26th, 1843. *Size, 26 inches by 114.*

## 18. *Madras Railway. General Maps.*

Map of SOUTHERN INDIA, showing the present road from Madras to the Interior and the West Coast, also the proposed Railroads. Railway Commissioners' Office, 27th October, 1852. Signed Thos. T. Pears, Railway Commissioner. No Title. *Size, 40 inches by 27.* MS.

Map showing "MADRAS RAILWAY and other Lines of SOUTHERN INDIA;" with a table of distances from Madras. No date. *Size, 25 inches by 25.*

Map showing the Lines completed (MADRAS to ARCOT) and in execution by the Madras Railway Company. No date. *Scale, 32 miles to 1 inch; size, 30 inches by 22.* MS.

Map showing the existing and proposed Lines of the MADRAS RAILWAY COMPANY. No date. *Scale, 32 miles to 1 inch; size, 30 inches by 22.* Lithograph.

MADRAS RAILWAYS. Broad and Narrow Gauges. No date. *Scale, 32 miles to 1 inch; size, 24 inches by 30.* On tracing cloth. MS.

The ATLAS of INDIA, Sheets 60, 61, 78, 79, with Madras Railways. *Size, 54 inches by 80.* Also Sheets 61, with proposed diversion of the Railway near Salem. *Size, 40 inches by 27.*



**Diagram of Railways in MADRAS PRESIDENCY:**—Madras Railway, the Carnatic Railway, Great Southern and Extension, and Trichinopoly Grand Trunk Road. *Scale, 5 miles to 1 inch; size, 6½ feet by 6½.* On tracing cloth. MS.

**Survey of a proposed Line of Railway between MADRAS and WALLAJAHNUGGUR.** Signed T. T. Pears, Major, Engineers, 4th July 1851. *Scales, 400 yards and 50 feet to 1 inch; size, 24 inches by 301.* MSS.

**Survey of the first five miles of the proposed Line of Railway from MADRAS to WALLAJAHNUGGUR.** Prepared by order of Government, dated 26th May 1851. Signed T. T. Pears, Major, Engineers, 22nd March 1852. *Scales, 100 yards and 20 feet to 1 inch; size, 25 inches by 114.* MS.

**Plan of a portion of MADRAS, showing two different directions in which the Railway might be extended from the proposed present Terminus.** Signed, T. T. Pears, Major, Engineers, 4th July 1851. *Scale, 400 yards to 1 inch; size, 22 inches by 35.* MS.

**Survey of a portion, as far as the Village of MINEL, of a proposed Trunk Line of Railway from MADRAS westward towards the Districts of BELLARY, CUDDAPAH, MYSORE, NORTH ARCOT, and SALEM.** Prepared agreeably to the order of Government, No. 812, in the Public Department, dated 29th August, 1851. Signed T. T. Pears, Major, Engineers, December 15, 1851. *Scales, 400 yards and 50 feet to 1 inch; size, 27 inches by 239.* MS.

**Plans to accompany the Survey of the first five miles of the proposed Railway from MADRAS to WALLAJAHNUGGUR.** Signed, T. T. Pears, Major, 22nd March 1852. *Scale, 6 feet to 1 inch; size, 28 inches by 49.* MS.

**No. 1. Section and Plan of Railway from VANIAMBADDY to ATHYPULLUM.** Distance 25 miles 2,000 feet. 27th April 1854. *Scales, 400 yards and 50 feet to 1 inch; size, 15 inches by 113.* MS.

**No. 2. Section and Plan of Railway from MOOKTRUMPUTTY to CHINTALPANDY.** Distance 22 miles 2,880 feet. 27th April 1854. *Scales, 400 yards and 50 feet to 1 inch; size, 15 inches by 103.* 2 copies. MSS.

**No. 3. Section and Plan of Railway from CHINTALPANDY to the bottom of the MOROOR GHAUT.** *Size, 24 inches by 95.* 2 copies. MSS.

**Plan and Section of proposed Branch from Main Line, at 2 miles 1 furlong, to MUNRO'S STATUE (MADRAS).** 7th March 1855. *Scales, about 10 chains and 40 feet to 1 inch; size, 23 inches by 27.* MS.

**Plan No. 70. MADRAS RAILWAY. Districts 2, Section 1.** Drawings of Bridge for carrying the Railway over the River Cauvery. June 13th, 1856. *Scale, 20 feet to 1 inch; size, 29 inches by 96.* 2 copies. On tracing paper, mounted. MSS.

**MADRAS RAILWAY. Plan and Section of Trial Line through District 10.** (From Poodopolliam to Checklypoor.) January 23rd, 1856. *Scales, 100 chains and 40 feet to 1 inch; size, 25 inches by 203.* On tracing paper, mounted. MS.

**Sketch Map showing the present ROUTES of DISTRICTS 9, 10, and 11, with proposed diversions of Line.** Nov. 1856. *Scale, 4 miles to 1 inch; size, 12 inches by 21.* On tracing paper, mounted. MS.

**Survey for proposed Branch Line to SALT DEPÔT. No. 1A.** September 1859. *Scale, 4 chains to 1 inch; size of each, about 26 inches by 39.*

Proposed Sidings for SALT COTAURS. Marked No. 2. *Scale, 2 chains to 1 inch; size, 21 inches by 29.* On tracing paper, mounted. MS.

Drawing of SALT SHED. September 1859. Marked No. 3. *Scale, 8 feet to 1 inch; size, 21 inches by 33.* On tracing paper, mounted. MS.

Proposed Branch Line to SALT DEPÔT. No. 4. On tracing paper, mounted. MS.

Map showing the BANGALORE BRANCH of the SOUTH-WEST LINE of RAILWAY. August 1860. (With a Memorandum of Stations, and their distances from the Junction.) *Scale, 2 miles to 1 inch; size, 31 inches by 50.*

Sketch Map showing the NORTH-WEST and SOUTH-WEST RAILWAYS, with their FEEDERS. February 1861. *Scale, 12 miles to 1 inch; size, 38 inches by 34.* MS.

Diagram showing the Lines from CUDDAPAH to SHOLAPOOR, *via* HYDERABAD, RAICHOOR, and MOODGUL. December 1863. *Scale, 8 miles to 1 inch; size, 35 inches by 30.* 1 copy. On tracing cloth. MS. Referred to in Railway Letter, No. 28, of 4th March 1864.

The same Map as above. MS. Mounted.

Sketch showing the Land and Water Communications between the BEYPORE and MADRAS RAILWAY and COCHIN, within the limits of the Malabar District. March 1863. *Scale, 3 miles to 1 inch; size, 38 inches by 22.* On tracing cloth. MS.

Sections of SPARK CATCHER in use on the MADRAS RAILWAY. *Scale, 1½ inch to 1 foot; size, 14 inches by 27.* On tracing cloth. MS. Referred to in Railway Letter No. 41, dated 16th June 1863.

Survey of proposed Extension of Line to new CENTRAL STATION (MADRAS). April 1866. *Scale, 4 chains to 1 inch; size, 29 inches by 60.* On tracing cloth. MS.

Arrangements of new CENTRAL STATION (MADRAS). April 1866. *Scale, 60 feet to 1 inch; size, 23 inches by 37.* On tracing cloth. MS.

Drawing showing position of new Station Arrangement at MADRAS TERMINUS. April 1866. *Scale 60 feet to 1 inch; size, 36 inches by 75.* On tracing cloth. MS.

### 19. Great Southern of India Railway.

GREAT SOUTHERN of INDIA RAILWAY. Showing the First Section and future Extensions. No date. *Scale, 10 miles to 1 inch; size, 30 inches by 22.* Lithograph.

GREAT SOUTHERN of INDIA RAILWAY. Permanent Way. Plan and Sections. Full size. 1863. *Size, 25 inches by 38.* MS.

# MAPS OF THE CIVIL DIVISIONS OF INDIA.

## I. BENGAL PRESIDENCY:

(The Presidency of Fort William in Bengal.)

Including thirteen Lieutenant-governments, Chief Commissionerships, Agencies, &c., under the Governor General, viz. :—

- |                                |                                  |
|--------------------------------|----------------------------------|
| 1. Bengal;                     | 8. Hyderabad and Berar;          |
| 2. The North West Provinces;   | 9. Mysore and Coorg;             |
| 3. Oudh;                       | 10. Assam;                       |
| 4. The Punjab;                 | 11. Manipur Agency;              |
| 5. Rajputana Agency and Ajmir; | 12. British Burma;               |
| 6. Central India Agency;       | 13. Andaman and Nicobar Islands. |
| 7. The Central Provinces;      |                                  |

*Note.*—To these must be added the following Governor General's Agencies *beyond* India:—

14. Baluchistan, under H.H. the Khan of Khelat, with a Political Agent (*see* p. 482).
15. The Persian Gulf and Muscat, under various Native Governments, with Political Agents at Bushire and Muscat (*see* pp. 485, 488).
16. Bagdad (Turkish Empire), Political Agent (*see* p. 489).
17. Zanzibar (East Africa), under the Sultan and a Political Agent (*see* Admiralty Charts).

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### CONTENTS :—

List of Provincial Maps, viz. :—

- Nos. 1, 2, 3. Soubah Bahar.
- „ 4. Purneah and Rajemal.
- „ 5. Dinagepour and Goragot, with the pergunnahs of Malduar, Shilberis, Surroopour, Islamabad, Jangipour, Mosheedah, Barbuckpour, Poostole, &c.
- „ 6. Rungpour, Rangamatty, Coos-Beyhar, Baharbund and Bittrebund, and part of Bootan.
- „ 7, 8. Dacca, Silhet, and Tiperah.
- „ 9. Chittigong.
- „ 10. Chart of the Sunderbund Rivers.
- „ 11. Kishenagur, Jessore, Mahmudshi, Boosnah, and part of Rajeshy proper.
- „ 12. Bettoriah, or northern division of Rajeshy; with Attyah, Caugmahry, Pookarya, Luskerpour, Burbazzoo, &c.
- „ 13. Birboom and Rajeshy proper; with the pergunnahs of Futtasing, Chunaally, &c.
- „ 14, 15. Burdwan, Midnapour, Hoogly, Bissunpour, and Pachete.
- „ 16. Ramgur, Palamow, Chuta-Nagpour, &c.

No. 17. Jungleterry.

„ 18. Jeels, &c.

„ 19. Cossimbazar Island.

An Index Map in the margin.

Alphabetical Index of Provinces and Pergannahs.

CONSTRUCTION, &c.—The following is a brief abstract of the MS. under this heading:—The scale is 5 miles to 1 inch, except Chittigong (No. 9), which is 3 miles to 1 inch. The provincial maps are on a plane projection, but the general map which follows is conical. The materials consisted of 500 original surveys. The first imperfect copy of the general map was sent to England in January 1773. The work of each surveyor is indicated, and their names are given, viz.: Capt. Richards, Lieut. Russell, Du Glos, Capt. Huggens, Capt. Rennell, Capt. Carter, Col. Ironside, Capt. Camae, Capt. Morrison, Capt. Adams, Capt. Martin, Capt. Ritchie, Capt. Plaisted, Capt. Portsmouth, Lieut. Call.

The two following maps are inserted after the foregoing series, but they are not in the list:—

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„ 21. Environs of Daeca. 1774.

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„ 23. Mouth of the Hoogly river.

„ 24. Coast of Choromandel, &c.

„ 25. Coast of Orixá, &c.

„ 26. Coast of Bengal, &c.

„ 27. Coast of Aracan, &c.

„ 28. Andaman Islands, &c.

„ 29. Nicobar Islands, on the scale of 10 miles to 1 inch, with enlarged plan of Noncowry Harbour. 1772.

„ 30. Nicobar Islands, on the scale of 4 miles to 1 inch.

„ 31. Chart of the Eastern Ocean, 1759. Engraved.

Remarks upon the COAST and BAY of BENGAL, the outlets of the Ganges and interjacent rivers, according to surveys by John Ritchie, Hydrographical Surveyor to the Honourable the United India Company. Received by Capt. Horsburgh in 1820. On 152 pages, 4to. in red binding. MS.

### *Third Series.*

A set of general and particular Maps of BENGAL, BAHAR, &c.

By James Rennell, Surveyor-General. 1773.

#### CONTENTS:—

Some Account of the construction of the maps.

Bengal, in four parts, on the scale of 6 inches to a degree, as fixed by the Directors.

Bengal, reduced to 3 inches to a degree.

RUNGPOOR, RANGAMATTY, COOSBAHAR, with the adjacent purgunnahs of Baharbund and Bitterbund, and part of Bootan. Surveyed by Rennell and Martin. Scale, 5 miles to 1 inch.

This is an extended copy of No. 6 in the first series of this collection, and terminates the Atlas.

*Rennell's Bengal Atlas.*

A Map of BENGAL and BAHAR in VIII. Parts. With Explanation and Index Map on the title page. Published according to Act of Parliament by J. Rennell, November 10th, 1779. In one vol., folio, half bound.

## CONTENTS :—

Map of the Inland Navigation. *Scale, 50 miles to 1 inch.*

View of Oudanulla as it appeared before the attack in 1763. Chunargur from the west as it appeared after the siege in 1764.

1. The Delta of the Ganges with the adjacent countries, comprehending the southern inland navigation. Inscribed to Francis Russell, Esq. With a plan of Samoolagur or Sumookgur Fort near Bankibazar.

2. The Jungleterry District with the adjacent provinces between Moorshedabad and Bahar. Inscribed to Brigadier-General Richard Smith.

3. A map of South Bahar, including the course of the Ganges to Chunargur. Inscribed to Sir Hector Munro.

4. A map of North Bahar. Inscribed to Brigadier-General John Caillaud.

5. The Northern Provinces of Bengal; with the Bootan, Morung, and Assam frontiers. Inscribed to Hugh Inglis, Esq.

6. The Low Countries beyond the Ganges from the Mauldah river to Silhet, comprehending the midland and eastern inland navigation. Inscribed to Thomas Kelsall, Esq.

7. The Provinces of Bengal situated on the west of the Hoogly river, with the Maharatta frontier. Inscribed to Harry Verelst, Esq.

8. The conquered Provinces on the south of Bahar, containing Ramgur, Palamow, and Chuta-Nagpou, with their dependencies. Inscribed to Major Jacob Camac.

\* \* \* The scale of Nos. 1 to 8 is uniformly 10 geographical miles to 1 inch.

9. Bengal and Bahar. To the Honourable Warren Hastings, Esq., Governor-General. &c. *Scale, 24 miles to 1 inch.*

10. A map of Oude and Allahabad with part of Agra and Delhi, including the course of the Ganges to Hurdwar and the Maharatta frontier. Inscribed to John Cartier, Esq. *Scale, 24 miles to 1 inch.*

11. Map of the Cossimbuzar Island, with a plan of the battle of Plassey. Inscribed to the memory of Edward Lord Clive. *Scale, 5 miles to 1 inch.*

12. Plan of the Environs of the city of Dacca. *Scale, 2 miles to 1 inch.*

13. The Doo-ab, from Allahabad to Kalpy. Inscribed to Sir Robert Barker. *Scale, 6 miles to 1 inch.*

14. The River Ganges from Allahabad to Patna, with plans of Allahabad and Chunargur. *Scale of the Ganges, 5 miles to 1 inch.*

15. The River Ganges from Patna to Surdah, with plans of Patna and Monghyr. (Also the Ruins of Gour.) *Scale, 5 miles to 1 inch.*

16. The Ganges from Surdah to the Calligonga, with the passage across the Jeels, &c. *Scale, 5 miles to 1 inch.*

17. The Ganges from the Calligonga to its confluence with the Megna or Burrampooter, and the Megna from thence to the head of the Luckia river. *Scale, 5 miles to 1 inch.*

18. The Burrampooter from the head of the Luckia or Bannar river to Assam. With a view and plan of Dellamcotta fort in Bootan. Inscribed to the memory of Captain John Jones, who took it by assault in April, 1773.

19. The Hoogly river from Nuddeah to the Sea, with Balasore Road and plan of the attack of Oudanulla. *Scale of the Hoogly, 5 miles to 1 inch.*

20. A map of the Sunderbund and Baliagot Passages with the principal communications. Inscribed to C. W. Boughton Rouse, Esq. *Scale, 5 miles to 1 inch.*

\* \* \* This is the first edition of Rennell's Bengal Atlas.

A BENGAL ATLAS, containing Maps of the theatre of war and commerce on that side of Hindoostan; compiled from the original surveys, and published by order of the Honourable the Court of Directors for the affairs of the East India Company, by *James Rennell*, F.R.S., late Major of Engineers and Surveyor-General in Bengal. 1781. With a title, contents, index, and 21 maps. Folio, bound.

\* \* This is the second edition of Rennell's Bengal Atlas. The map of the inland navigation in the first edition is omitted in this, but the rest of the maps are identical.

### *Revenue Survey Atlas.*

District Maps, etc. in the LOWER and the NORTH WEST PROVINCES of BENGAL, OUDE, PUNJAB, GWALIOR, and SCINDE. Bound together in two vols. folio, without a general title. *Scale, 4 miles to 1 inch*, unless otherwise expressed.

#### VOL. I.

Index Map of the Revenue Survey Districts in the North-Western Provinces, including the Territory of Oudh. Corrected by G. T. S. operations. Compiled in the Surveyor-General's office. 1845-51. *Scale, 16 miles to 1 inch.*

Agra, by Capts. Wroughton and Fordyce. 1837-39.

Allahabad, by Capt. Lawrence and Lieut. Stephen. 1838.

Allyghur, by Capt. R. Wroughton. 1837.

Azimgur, by Capts. Simmonds and Fordyce, Lieut. Brind, and Mr. Terraneau. 1835-36.

Bareilly, by Lieuts. Fraser and Abbott. 1833-37.

Bandah, by Lieuts. Abbott and Stephen. 1840-41.

Behar, by Capts. Stephen and Lieut. Sherwill. 1841-44.

Benares, by Lieuts. Abbott and Stephen. 1839-40.

Bijnour, by Capt. B. Browne. 1833-41.

Budaoon, by Capts. Bedford and Wroughton. 1822-23 and 28-34.

Cawnpoor, by Lieut. Abbott. 1840.

Orissa or Cuttack Province, by Lieuts. H. L. Thuillier, R. Smyth, and Mr. J. Fitzpatrick. On 4 sheets. 1837-42.

Dihlee, by Capts. Oliver, Simmonds, and Brown. 1824-40.

Dehra Dhoon, by Capt. W. Brown. 1838-39.

Etawah, by Capt. R. Wroughton. 1838-39.

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Futtlipoor, by Lieut. H. V. Stephen. 1839.

Goorgaon, by Lieuts. Oliver, Simmonds, Brown. 1828-40.

Goruckpoor, by Lieuts. Grant, Wroughton, Lawrence, Fordyce, Brind, Rind, and Mr. Terraneau. 1836-38.

Gazeepoor, by Lieut. W. Maxwell. 1839-41.

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Jounpoor, by Lieut. Abbott. 1839-40.

Meeruth, by Capt. W. Brown. 1831-36.

Midnapoor and Hijellee, by Lieuts. Mathison and J. F. Egerton, and Mr. Wilson. 1838-45.

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Muthra, by Capt. R. Wroughton. 1835.

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Paneeput, by Capts. Oliver and Simmonds. 1822-33.

Patna, by Lieut. W. Maxwell. 1841-43.

Rohtuk, by Capts. Oliver and Simmonds. 1823-32.

Sarun, by Lieut. Maxwell and Mr. Wyatt. 1843-46.

Shahabad, by Lieut. W. S. Sherwill. 1844-46.

Shahjahanpoor, by Capt. Abbott and Lieut. Fraser. 1838-39.

Sohagpoor and Ramgurh, by Capt. Wroughton. 1842.

Seebpoor (Upper Assam), by J. Thornton. 1839-42.

Seinde, by the Quartermaster General's Department, Bombay Army. On 4 sheets. 1850. *Scale, 8 miles to 1 inch.*

## VOL. II.

Bhaugulpoor, by Capt. Sherwill and Mr. Pemberton. 1846-50. On 2 sheets.

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Disposition Map of the BENGAL ARMY. *Scale, 32 miles to 1 inch; size, 38 inches by 58.*

\* \* \* Compiled in the Surveyor-General's Office, Calcutta. 1862.

Map of the GOVERNMENT STUD LANDS attached to KUR-  
RUNTAHDEEH, and BUXAR. The former situated in Purgunnah Gurha,  
Ghazepoor District (North-West Provinces), and the latter in Purgunnah Bhojpoor,  
Shahabad District (Lower Provinces). Surveyed in 1845 by Lieut. W. S. Sherwill,  
Assistant Revenue Surveyor. *Scale, 8 inches to 1 mile; size, 29 inches by 21.*

\* \* \* See also the Poosah Depôt, p. 187.

## Postal.

Post Office Map of the PROVINCES of BENGAL, BEHAR,  
ORISSA, and ARRACAN. Compiled by J. R. Burlton Bennett, Esq., Deputy  
Postmaster-General of Bengal. Reduced from Tassin's lithographed map of Bengal  
and Behar, 1841, and extended from other materials in the office of the Surveyor-  
General of India. July, 1852. *Scale, 16 miles to 1 inch; size, 44 inches by 57.*

## Magisterial.

Plans of JAILS, CUTCHERIES, CIRCUIT HOUSES, &c., in the  
LOWER PROVINCES, at Joanpoor,\* Mirzapore,\* Benares,\* Gazeepore,\* Goruck-  
pore,\* Rungpore, Patna, Chittra, Sheergotty, Gyah, Chupprah, Bangulpore, Muzaf-  
ferpore, Kishnagur, Burdwan, Baneoorah, Midnapore, Cuttaek, Calcutta, Barrisanl,  
Mymensing,\* Fureedpore, Rajeshahye, Chittagong, Sylhet, Dacca, and Hooghly.  
(Date, May 29, 1823.) In one vol., folio, half bound.

\* These places are in the North-West Provinces.

*Geological.*

Geological Map of the NORTHERN FRONT of the VINDHYA HILLS, extending from Allahabad to Rajmahal; showing the position of all the known Coal-beds of that tract, and also of the silver, copper, lead, and antimony localities, as well as the principal iron measures. Surveyed and constructed by Captain Walter S. Sherwill, 66th Regt. Nat. Inf., Revenue Surveyor. 1842 to 1851. *Scale, 8 miles to 1 inch; size, 36 inches by 57.*

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Plan of the NEW ROAD from FORT WILLIAM to CHUNARGUR. *Scale, about 5 miles to 1 inch; size, 12 inches by 78.* MS.

\* \* See p. 274.

Maps of ROUTES from the BRITISH TERRITORIES into AVA. and various other places on the eastern frontier. Lithographed by J. B. Tassin, Calcutta, 1837. Oblong folio, half-bound.

## CONTENTS:—

1. Banshandee in Cachar, *viâ* Agnee, to Muneepoor. By Capt. R. B. Pemberton.
2. Banshandee in Cachar, *viâ* Kala Noga to Muneepoor. By Capt. R. B. Pemberton.
3. Muneepoor *viâ* Muehee to Tummoo in Kubo. By Capt. R. B. Pemberton.
4. Muneepoor *viâ* Imole to Tummoo in Kubo. By Capt. R. B. Pemberton.
5. Tummoo *viâ* Punsu to Sunnyaehil Ghaut. By Capt. R. B. Pemberton.
6. Tummoo *viâ* Sunjoh to Monphoo. By Capt. R. B. Pemberton.
7. Muneepoor *viâ* Kaboome to Assam. In 3 sheets. Surveyed by Lieut. Gordon. Drawn by Capt. Pemberton.
8. Muneepoor *viâ* Papoolongmiee to Assam. In 4 sheets. By Capt. Pemberton.
9. Aeng in Arracan to Shembegwen on the Irawattee River. By Lieut. Trant, corrected by Capt. Pemberton.
10. Map of the Ningthee or Khyendwen from Genduh to its confluence with the Irawattee. By Lieut. W. C. McLeod. Drawn by Pemberton.

Revised Tables of ROUTES and STAGES through the TERRITORIES under the PRESIDENCY of BENGAL and the Lieut.-Governorship of Agra, with an Index; compiled from documents in the office of the Quartermaster-



General of the Bengal Army, and from information obtained from the collectors of districts and other local authorities. By Captain W. Garden, Quartermaster-General's Department. Calcutta, 1838. In one Vol. 4to. 322 pages, with map and table of distances.

Survey of the NEW ROAD from MEDNIPOOR to HAUNDI-PAUN, near Jushpoor, by M. Kittoe, Brevet Captain, Surveyor and Superintendent. 1840. *Scale; 4 miles to 1 inch; size, 14 inches by 25.* MS.

Plan of the GREAT TRUNK ROAD, from CALCUTTA to BENARES, exhibiting the Staging Bungalows, Dak Chowkies, Post Offices, &c. Compiled from actual Surveys, by C. Joseph. 1851. *Scale, 8 miles to 1 inch; size, 9 inches by 52.* MS.

Plan of the COUNTRY bordering the GREAT TRUNK ROAD between CALCUTTA and BENARES. Based on the Great Triangulation and Revenue Survey operations to 1857, with a Polymetrical Table of Distances in the Bengal Presidency, and the names of the Staging Bungalows from Calcutta to Benares with the distances between them. *Scale, 8 miles to 1 inch; size, 32 inches by 48; price 8s.*

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## MAPS OF THE THIRTEEN GOVERNMENTS FORMING THE BENGAL PRESIDENCY.

### I. BENGAL.

Including eight Regulation Provinces or Divisions, viz.:—Blāgalpur, Burdwan, Chittagong, Dacca, Orissa, Patnā, Presidency, and Rajshahi; and one Non-regulation Province, viz.:—Chota-Nagpore.

#### *Memoirs.*

Statistical Account of BENGAL. By W. W. Hunter, B.A., LL.D., etc. 1875-76. 8vo., half-bound. Vol. I. Districts of the Twenty-four Parganas and Sundarbans. Vol. II. Districts of Nadiya (Nuddea) and Jessor. Vol. III. Districts of Midnapur and Hugli (including Howrah). Vol. IV. Districts of Bardwan, Bankura, and Birbhum. Vol. V. Districts of Dacca, Bakargary, Faridpur, and Maimansinh. Other volumes to follow.

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A Map of the KINGDOM of BENGAL, drawn from actual Surveys, and divided into Provinces; most humbly inscribed to the Honourable Court of Directors of the United Company of Merchants of England, trading to the East Indies, by their Honours' most devoted servant, James Rennell. 1768. *Scale, 10 geographical miles to 1 inch; size, 40 inches by 46.* MS.

A Map of BENGAL and BAHAR, with part of Orixa. Drawn from actual Surveys, by James Rennell, Surveyor-General. 1775. With a table of areas. *Scale, 10 geographical miles to 1 inch; size, 45 inches by 58.* MS.

Six MANUSCRIPT MAPS of DISTRICTS, by Dr. Buchanan Hamilton. Drawn in about 1814 :—

1. Bhagalpur. *Size, 11 inches by 14.*
2. Northern part of the district of Gorakhpur. *Scale, about  $11\frac{1}{2}$  miles to 1 inch; size, 11 inches by 14.*
3. Map of the district of Ronggopur (Rungpur). *Scale, about  $11\frac{1}{2}$  miles to 1 inch; size, 12 inches by 11.*
4. District of Shahabad. *Scale, about  $11\frac{1}{2}$  miles to 1 inch; size, 12 inches by 11.*
5. Map of Zila Behar, including the city of Patna. *Scale, about  $11\frac{1}{2}$  miles to 1 inch; size, 8 inches by 11.*
6. Plan of the district of Puraniya (Purniah). 1809-10. *Size, 17 inches by 11.*

A new and improved Map of the PROVINCES of BENGAL and BEHAR, with Benares and adjoining territories, exhibiting the District Divisions, the Civil and Military Stations, and Police Thanas, and likewise the principal Indigo, Silk, and Sugar works. Compiled from the most recent Surveys and best information in the possession of Government and private individuals, by J. B. Tassin. 1841. *Scale, 8 miles to 1 inch: on 14 sheets; size of 3 each, 21 inches by 24; size of 9 each, 21 inches by 27. Three sheets wanting.*

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BENGAL, BEHAR, and ORISSA, comprising the Lieut.-Governorship of Bengal. 1868. *Scale, 32 miles to 1 inch; size, 27 inches by 40; price 4s.*  
Another copy with manuscript corrections of the District Boundaries, dated March 11th, 1870.

Sketch Map of the PROVINCES comprising the Lieut.-Governorship of BENGAL showing Provincial and District Divisions. S. G. O. Calcutta, 1872. Taken from the preceding map.

The Provinces of BENGAL, BEHAR, and ORISSA, under the jurisdiction of the Lieut.-Governor of Bengal, with the Province of Assam under the Chief Commissioner. Calcutta, 1874. *Scale, 16 miles to 1 inch; on 4 sheets; size of each, 27 inches by 30.*

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Map of EASTERN BENGAL. Compiled from the Revenue Surveys based on the Great Triangulation in the Surveyor-General's Office, Calcutta, March 1871. *Scale, 8 miles to 1 inch; sheets, 7, 8, 9, 10; size of each, 22 inches by 30.*

Map of WESTERN BENGAL. Compiled from the Revenue Surveys based on the Great Triangulation in the Surveyor-General's Office, Calcutta, March 1871. *Scale, 8 miles to 1 inch; sheets 11, 12, 13, 14, 15, 16, 17, 18, 19, 20; size of each, 22 inches by 30.*

Index to the sheets of the map of Bengal. The foregoing both Eastern and Western.

*Ferry Fund Maps.*

Plans appertaining to the Sketch Estimates of the FERRY FUND WORKS, in the LOWER PROVINCES, of the year 1858-59 :—

1. Sketch of Boal Khallee and Hargazee Nula, Chittagong.
2. " " Postal Road from Chittagong to Teek Naff.
3. " " Road from Chittagong to Futeckchurry.
4. " " " between Putteeah Tannah and Sakcera Bridge, Chittagong.
5. " " " " Chittagong and Big Fenny Rivers.
6. " " " " Noacolly and Tipperah.
7. Canals near Comillah.
8. Ferry Fund Roads, under charge of 24 Pergunnahs Magistrate in June 1858.
9. Roads in District Nuddeah.
10. " " Bhaugulpore.
11. " " Zillah Purneah.
12. " " District Monghyr, under Ferry Fund Committee.
13. " " " Bancoorah.
14. " " " Beerbhoom.
15. " " " Burdwan.
16. " " Zillah Hoogly.
17. " " District Howrah.
18. " " " Midnapoor.
19. Roads from Mymensing to the Jumoona River.
20. " " in Zillah Furcedpore.
21. Sketch of Jopekhallee Khall.
22. Roads in Dacca District.
23. " " District Rajshahce.
24. " " " Rungpore.
25. " " " Bograh.
26. " " " Dinagepore.
27. " " " Maldah.
28. " " " Pubnah.

Plans appertaining to the Sketch Estimates of the FERRY FUND WORKS, in the LOWER PROVINCES, of the year 1859-60 :—

100. Proposed Canal to join the Boorce Ganga and Goomtee.
113. Repairs of Roads from Dinagepore.
114. " " " Bograh.
115. " " and new Roads in Moorshedabad.
116. " " " Rungpoor.
117. " " " Pubna.
118. Roads in Rajshaye District.
125. " " Bhaugulpore. "
126. " " Monghyr "
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171. " " 24 Purgunnahs District.
172. New Road from Raja Haut to Calpee
173. Roads near Kishnagur, Nuddeah.
174. " " in Jessore. 3 sheets.
175. Baraset District Roads.

## Plans appertaining to the Sketch Estimates of the FERRY FUND ROADS, in the LOWER PROVINCES, of the year 1860-61 :—

- 289. Roads in Bhaugulpore District.
- 290.   "   Monghyr           "
- 291.   "   Purneah           "
- 303.   "   Bancoorah       "
- 304.   "   Beerbhoom       "
- 305. Bridge over the Mehidpore Nullah, on the Illambazar and Soorool Road.
- 306. Bridge over the Nullia Kunder, on the road from Sooree to Ahmudpore.
- 307. Roads in Burdwan District.
- 308.   "   Hoogly           "
- 309.   "   Howrah           "
- 310.   "   Midnapore       "
- 323.   "   Patna           "
- 333.   "   24 Purgunnahs District.
- 334.   "   Jessore           "
- 335.   "   Baraset           "
- 345.   "   Bograh           "
- 346.   "   Rungpore       "
- 346 *bis.* Station Roads, Rungpore District.
- 347. Bridge over Lalpore Nullah, on the Pubna Road.
- 348. Roads in Moorshedabad.
- 349. Protection for banks of the Isamuttee River.
- 350. Roads in Dinagepore District.
- 351. Roads in Maldah District.

### *Roads and Routes in Bengal.*

Survey of the ROUTE from CALCUTTA to GANJAM, through Midnapoor and Cuttack. Surveyed in 1809-10 by Captain F. Saekville, Surveyor, 41st Regiment, B.N.I. *Scale, 2 miles to 1 inch: on 6 sheets; size of each, 21 inches by 29. MSS.*

Rough Sketch, in illustration of Reports on Land Communication between CALCUTTA and PEGU. 1856. (Including from Chittagong to Prome.) *Scale, 8 miles to 1 inch; size, 21 inches by 48.*

Map of the DISTRICT of CHITTAGONG, with the Dacca and Arracan roads. *Scale, 4 miles to 1 inch; size, 22 inches by 42.*

### *Bengal, Frontier Maps.*

Map of the EASTERN FRONTIER of BRITISH INDIA, with the adjacent countries, extending to Yunan in China, by Captain R. Boileau Pemberton, 44th Regiment, N.I. 1838. *Scale, 16 miles to 1 inch: on 12 sheets; size of each, 25 inches by 19.*

NORTH-EAST FRONTIER, BENGAL. Including Sikkim; Bhootan; Assam; Garrow, Cossyah, Jynteca, and Naga Hills; Dinajpoor; Darjeeling; Rungpore; Sylhet; Cachar; Coochbehar; &c. 1865. *Scale, 8 miles to 1 inch: on 6 sheets; size of each, 22 inches by 30; price 12s.*

Also a special copy, showing in MS. the separate revenue and other Surveys, alterations in the Boundaries of Divisions, &c., with reference to Revenue Despatch No. 43 of 1867.

The EASTERN BRITISH FRONTIER, bordering on BURMAH and MUNEEPOOR, from the latest surveys. 1869. *Scale, 8 miles to 1 inch; size, 36 inches by 24; price 2s., folded in a cover.*

**EASTERN BRITISH FRONTIER**, bordering on BURMAH and MUNNEEPOOR. From the latest Surveys, corrected up to April 1871. *Scale, 6 miles to 1 inch : on 2 sheets ; size of each, 21 inches by 33.*

\* \* With a table of notes on the Lushai Hills. Photozincograph.

Also a later edition corrected up to April 1872.

See also Manipur, p. 303.

## I. BHAGALPUR DIVISION.

Including the Districts of—1, Bhagalpur ; 2, Monghyr ; 3, Purneah ; 4, part of the Sonthal Pergunnahs.

**Skeleton Map of BHAUGULPOOR DIVISION.** Comprising the Districts of Bhaugulpore, Monghyr, Purneah, and Sonthal Pergunnahs, exhibiting the Civil and Criminal jurisdictions. Famine Relief Map, 1874, with sites of Government Grain Stores, Centres of Relief, Routes for conveyance of Grain, and Relief Works. *Scale, 8 miles to 1 inch. Size, 36 inches by 25. Folded.*

### 1. Bhagalpur District.

Map of the DISTRICT of BHAUGULPOOR, surveyed by Capt. W. S. Sherwill and Mr. J. J. Pemberton, Revenue Surveyors, in 1846, '47, '48, '49, and '50. *Scale, 4 miles to 1 inch ; size, 48 inches by 35. MS.*

The same, lithographed and published. *Price 4s.*

District BHAUGULPORE. Famine Relief Map. S. G. O. Calcutta, 1874. *Scale, 4 miles to 1 inch. Size, 46 inches by 32. Folded.*

District BHAUGULPOOR. 1846 to 1850. *Scale, 1 mile to 1 inch.* S.G.O. Calcutta, April 1874. To be completed in 17 sheets, of which sheets 1 to 14 are published, with an Index map.

District BHAGALPUR. From the Atlas of India. S. G. O. Calcutta, 1875. *Scale, 4 miles to 1 inch ; size, 25 inches by 40.*

BHAUGULPOOR, Plan of the TOWN, surveyed in 1867-8 by Lieut. Stewart, Revenue Surveyor, and Native Assistants. *Scale, 6 inches to 1 mile ; size, 21 inches by 40 ; price 4s.*

Block Plan of BHAUGULPORE SCHOOL HOUSE, 1868. *Size, 15 inches by 36. On tracing cloth. MS.*

Map (Geological) of PERGUNNAHS GODDA, and UMLOO-MOTEEA, Zillah Bhagalpur. Surveyed in season 1847-48, by Capt. S. R. Tickell, Officiating Revenue Surveyor. *Scale, 1 mile to 1 inch ; size, 29 inches by 23. MS.*

Map (Geological) of PURGUNNAH SOOLTANABAD, District Bhagalpur. Surveyed in 1850-51. *Scale, 1 mile to 1 inch ; size, 26 inches by 20. MS.*

Maps of PURGUNNAHS TELEEGURHEE and JUMOONEE, District Bhagalpur. Surveyed by Captain W. S. Sherwill, Revenue Surveyor in season 1850-51, and Mr. R. Shaw, Assistant Revenue Surveyor in 1840-41. *Scale, 1 mile to 1 inch ; size, 20 inches by 27.*

Lithograph, with MS. additions showing the Geological features.

PURGUNNAH PUSSYE, Zillah Bhaugulpore (Geological). *Size, 22 inches by 24. MS.*

Map of the JUNGLE TERRY DISTRICT, containing the March Routes of four successive journeys performed by Lieut.-Col. W. Fraueklin, Regulating Officer, from the end of 1813 to 1820 inclusive. *Scale, about 6 miles to 1 inch; size, 23 inches by 32. MS.*

A Survey of the RIVER CHANDUN, conjectured to be the Eran-nobas, of the Greeks, from Chumpurnugghur, to its triple source in the vicinity of Deo-Ghur; and from thence to the South-western and North-eastern Boundaries of the Jungle Terry District, including the Passes on the Raughur and Behar Frontiers; to Sooruj Ghurra on the Ganges. In the months of November, December, January, February, and March, A.D. 1814-15, by Lieut.-Col. W. Fraueklin. *Scale, 2½ miles to 1 inch; size, 34 inches by 52. MS.*

### 2. Monghyr District.

MONGHYR (DISTRICT). 1836 to '39 and 1845 to '47. *Scale, 1 mile to 1 inch; on 17 sheets, with Index-map and title on sheet 15; size, 11 feet by 8; price 17s.*

Map of the DISTRICT of MONGHYR, surveyed by Capt. W. S. Sherwill, 66th Regiment N.I., Revenue Surveyor, in 1845, '46, and '47. *Scale, 4 miles to 1 inch; size, 45 inches by 29. MS.*

The same, lithographed and published. *Price 4s.*

Plan of the FORT of MONGHYR and FORT LANDS, situated outside the walls. Surveyed by Captain W. S. Sherwill, Revenue Surveyor, in 1846. *Scale, 5 chains to 1 inch; size, 26 inches by 20.*

CIVIL STATION and FORT of MONGHYR. 1866-7. *Scale, 6 inches to 1 mile; size, 18 inches by 24; price 1s.*

Geological Map of that portion of ZILLAH MONGHYR, lying to the south of the Ganges, together with a portion of Zillah Bhaugulpore, similarly situated. Constructed and surveyed by Captain Walter Sherwill, Revenue Surveyor. 1847. *Scale, 4 miles to 1 inch; size, 27 inches by 40. Lithograph.*

### 3. Purneah District.

Map of the DISTRICT of PURNEAH, surveyed by Messrs. J. Fitzpatrick and J. J. Pemberton, Revenue Surveyors, in 1840, '41, '42, '43, '44, '45, '46, and '47. *Scale, 4 miles to 1 inch; size, 35 inches by 37. MS.*

The same, lithographed and published. *Price 4s.*

DISTRICT PURNEAH, 1840 to 1847. *Scale, 1 mile to 1 inch. S.G.O. Calcutta; April 1871. On 18 sheets, size of each 25 inches by 40.*

### 4. Sonthal Pergunnahs.

See Map of BHAUGULPOOR DIVISION, page 172; and Indian Atlas.

## II. BURDWAN DIVISION.

Including the Districts of—1, Bankoora; 2, Beerbhoom; 3, Burdwan; 4. Hooghly; and 5, Midnapore.

### 1. *Bankoora District.*

DISTRICT BANCOORAH or WEST BURDWAN. 1854 to '56. *Scale, 4 miles to 1 inch; size, 25 inches by 21.*

\* Preliminary Map, showing the Geological features.

DISTRICT BANCOORAH or WEST BURDWAN. 1854 to '56. *Scale, 4 miles to 1 inch; size, 22 inches by 27. MS.*

The same, lithographed and published. *Price 4s.*

PERGUNNAH or MAIN CIRCUIT Maps of DISTRICT BANCOORAH, or West Burdwan. 1854 to '56. *Scale, 1 mile to 1 inch; Nos. 1 to 7; on 7 sheets, including a General Map of the District; price 14s.*

No. 1. Purgunnahs Bishenpoor, Baruhazaree, Sahurjorah, &c.

No. 2. " " " Malliarah, &c.

No. 3. " " "

No. 4. " " "

Nos. 5, 6. " " " and Johanabad.

No. 7. " " " Shahazadpoor, &c.

### 2. *Beerbhoom District.*

Map of the DISTRICT of BEERBHOOM, surveyed by Capt. W. S. Sherwill, Revenue Surveyor, 1849 to '52. *Scale, 4 miles to 1 inch; size, 27 inches by 40. MS.*

The same, lithographed and published. *Price 2s.*

PERGUNNAH or MAIN CIRCUIT MAPS of DISTRICT BEERBHOOM. *Scale, 1 mile to 1 inch; Nos. 1 to 13; on 14 sheets, including a General Map of the District; price 30s.*

No. 1. Tuppeh Saruth Deoghur, 2 sheets.

No. 2. Map of Taluka Pubbia. (Sonthal pergunnah.)

No. 3. Map of purgunnahs Nonee and Mullerpoor.

No. 4. Tuppeh Kundit Kurayah. (Sonthal pergunnah.)

No. 5. Map of purgunnahs Zynoojal and Alinuggur.

No. 6. Map of tuppehs Hurripoor and Mohumdabad, with purgunnahs Hookmapoor-Khutunga, Akbershahee, and Dhawa.

No. 7. Purgunnahs Shahallumpoor and Khirnee, with talooka Pudra.

No. 8. Map of purgunnahs Synbhoon, Bhooorkundeh, Umdhureh, Khurgaon, Barbuksing, and Sheopoor.

No. 9. Map of purgunnahs Dureen Molisser, and Sabik Molisser.

No. 10. Purgunnahs Inchapokur, Futtehpoor, Poorundurpoor, and Kootoobpoor.

No. 11. Purgunnahs Suroobsing, Shahzadpoor, and Jowas Ibrahimpoor.

No. 12. The same as No. 8, geologically coloured.

No. 13. The same as No. 5, geologically coloured.

Index Map.

### 3. *Burdwan District.*

DISTRICT BURDWAN, 1855 to '57. *Scale, 4 miles to 1 inch; size, 24 inches by 34. MS.*

The same, lithographed and published. *Price 2s.*

**PERGUNNAH or MAIN CIRCUIT Maps of DISTRICT BURDWAN.** 1855 to '57. *Scale, 1 mile to 1 inch; Nos. 1 to 10; on 11 sheets, including a General Map of the District on the scale of 4 miles to 1 inch; price 35s.*

- |         |  |
|---------|--|
| No. 1.  | Purgunnah Monohurshahee.               |
| No. 2.  | „ Dheyia, Indranee, &c.                |
| No. 3.  | „ Jhehangeerabad, Sautsoika, &c.       |
| No. 4.  | „ Raneehattee, Umbeeka Raiepoor, &c.   |
| No. 5.  | „ Nuluhee, Choteepoor, and Havellee.   |
| No. 6.  | „ Shahabad, Auzmutshahee, and Burdwan. |
| No. 7.  | „ Burdwan, Auzmutshahee Bagha, &c.     |
| No. 8.  | „ Chumpanugguree, Senpaharee, &c.      |
| No. 9.  | „ Sherghur.                            |
| No. 10. | „ Khundghose, Sumurshahee, Havellee.   |

#### 4. Hooghly District.

**Map of the DISTRICT of HOOGLY.** Surveyed by Mr. W. A. Wilson, Assistant Revenue Surveyor, in 1844, '45, and '46. *Scale, 4 miles to 1 inch; size, 36 inches by 24. MS.*

The same, lithographed and published. *Price 2s.*

**CHINSURAH CANTONMENT and ENVIRONS.** Surveyed in 1869–70. *Scale, 16 inches to 1 mile; on 19 sheets; size of each, 22 inches by 30.*

**CHINSURAH CANTONMENT and ENVIRONS.** 1869–70. *Scale, 6 inches to 1 mile; on 2 sheets; size of each, 40 inches by 27.*

**The TOWN and ENVIRONS of SERAMPOOR,** District Hooghly. *Scale, 16 inches to 1 mile; size, 27 inches by 43; price 5s. Mounted to fold in a cloth cover.*

**Map of the DANISH SETTLEMENT of SERAMPOOR,** including the lands of Pearapoor dependent thereon, situated in the Province of Bengal, on the west bank of the Hooghly River. Surveyed by Charles Joseph. 1842. *Scale, 170 yards to 1 inch; size, 32 inches by 58. MS.*

**Plan of the HON. COMPANY'S BOTANIC GARDEN,** District Hooghly. Surveyed in season 1845–46. *Scale, 330 feet to 1 inch; size, 20 inches by 26.*

#### 5. Midnapore District.

**Map of the DISTRICTS of MIDNAPORE and HIJELLEE,** surveyed by Lieuts. R. Mathison and J. F. Egerton, Revenue Surveyors; and Mr. W. A. Wilson, Assistant Revenue Surveyor, in 1838, '39, '40, '41, '42, '43, '44, and '45. *Scale, 4 miles to 1 inch; size, 31 inches by 39. MS.*

The same, lithographed and published. *Price 4s.*

Another copy geologically coloured.

**Map of DISTRICT MIDNAPORE.** Survey commenced in 1838–39 and completed in 1844–45. *Scale, 4 miles to 1 inch; size, inches by 38.*

**Geological Sketch of the SOUTHERN PORTION of the MIDNAPORE DISTRICT,** including Injellee. Constructed from materials in the Surveyor-General's Office, 1825. *Scale, 4 miles to 1 inch; size, 18 inches by 23. MS.*



**HIDGELLE DISTRICT**, bordered on the North and West by Midnapoor and Jellalore, and on the East and South by the Hoogly River. Without Title. *Scale, 2 miles to 1 inch; size, 28 inches by 40. MS.*

Map of **HIJELLE and TUMLOOK**, forming part of Zillah Midnapoor. Surveyed in seasons 1838, '39, '40, and '41, by Lieutenants J. F. Egerton and R. Mathison. *Scale, 1 mile to 1 inch; size, 55 inches by 60.*

Map of the Country adjacent to the lower parts of the **COURSES** of the **DAMOODAH** and **DALKISSUR RIVERS**, showing the lines of Levels taken in 1852-53 by Lieuts. Stewart and De Bourbel, Bengal Engineers, and Mr. Nield, Surveyor; to illustrate the reports on the Damoodah Floods, contained in the 15th number of the selections from the Records of the Bengal Government. 1854. *Scale, 2 miles to 1 inch; size, 42 inches by 35. Lithograph on tracing cloth.*

### *Geological Surveys in Burdwan Division.*

Map of the Damoodah and **ADJI GREAT COAL FIELD**, in the Zillahs of West Burdwan, Monbhoom, and Beerbhoom. Bengal. 1847. *Scale, 1 mile to 1 inch; size, 39 inches by 51. Lithograph.*

The western *half* of the same. MS.

Vertical section of the **COAL MEASURES** in the **DAMOODAH VALLEY**. 1847. *Scale, 40 feet to 1 inch; size, 40 inches by 26. Lithograph.*

Sections of the **DAMOODAH COAL FIELD**. 1847. *Scale, 6 inches to 1 mile; on 2 sheets; size of each, 26 inches by 40. Lithograph.*

No. 1. Section. From Medjeah on the South, to Kashtor on the North of the Adji.

No. 2. „ From the West of Terrapore on the South, to Seersole on the North.

No. 3. „ From Pachet Hill on the South, to Gogganah on the North.

No. 4. „ From Gurrungee Hill on the South of Damoodah River, to the Deybeetan Hill on the North of the Barukkur River.

Section across the **KYMORE MOUNTAINS** from the Sone River on the South, to the Gangetic plains on the North. 1848. *Scale, vertical and horizontal, 6 inches to 1 mile; size, 26 inches by 40.*

Map of the **DAMUDA (Raniganj) COAL FIELD**, Bengal. 1861. *Scale, 1 mile to 1 inch; size, 27 inches by 42.*

The Plan of the **RANEEGUNGE COAL MINES**, commenced in November 1816. By C. Burton, Superintendent of the Raneeunge Coal Mines, since the month of February 1822 until the month of November 1830. *Size, 40 inches by 19. MS.*

## III. CHITTAGONG DIVISION.

Including the Districts of—1, Chittagong; 2, Chittagong Hills; 3, Noakholly; 4, Tipperah Hills.

### 1. *Chittagong District.*

A map of the **PROVINCE of CHITTAGONG**. Surveyed in 1815, '16 by J. Cheape, Lieut. Engineers. *Scale, 2 miles to 1 inch; size, 82 inches by 38; 2 copies. MS.*

Map of the DISTRICT of CHITTAGONG. Surveyed by Lieut. H. Siddons, Bengal Engineers, Revenue Surveyor in 1835, '36, '37, '38, '39, '40, and '41. *Scale, 4 miles to 1 inch; size, 48 inches by 25. MS.*

The same, lithographed and published. *Price 2s.*

DISTRICT of CHITTAGONG. 1835 to '41, and 1861 to '66. *Scale, 4 miles to 1 inch; on 3 sheets; size of each, 22 inches by 30; price without hills 6s., or with hills 8s.*

Also, a copy with hills, photographed by Capt. Melville, 1867.

Plan of the STATION of CHITTAGONG. By E. R. Boileau, Assistant Revenue Surveyor. *Scale, 12 inches to 1 mile; size, 43 inches by 26; price 2s.*

3. *Noakholly District.* 4. *Tipperah Hills (Native Territory).*

DISTRICTS TIPPERAH and NOACOLLY, including HILL TIPPERAH. 1861 to '65. *Scale, 4 miles to 1 inch; on 4 sheets; size, 48 inches by 38; price 8s.*

DISTRICTS TIPPERAH and NOACOLLY. 1861 to '65. *Scale, 4 miles to 1 inch; size, 42 inches by 26. Photographed.*

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#### IV. DACCA DIVISION.

Including the Districts of—1, Backergunge; 2, Dacca; 3, Furreedpore; 4, Mymensingh; 5, Tipperah.

##### 1. *Backergunge District.*

DISTRICT of BACKURGUNJ. 1860–3. Lower Provinces, Revenue Surveys. Surveyed by Major J. E. Gastrell and Lieut. W. J. Stewart, Revenue Surveyors and Assistants. *Scale, 4 miles to 1 inch; size, 39 inches by 34. MS.*

The same, lithographed and published. *Price 6s.*

A portion of DISTRICT BACKURGUNJ, to complete Atlas Sheet No. 121. Surveyed by Capt. J. E. Gastrell and Assistants in 1839 to 1862. *Scale, 4 miles to 1 inch; size, 26 inches by 19. MS.*

PERGUNNAH or MAIN CIRCUIT Maps of DISTRICT BACKERGUNJE. 1860–63. *Scale, 1 mile to 1 inch; Nos. 1 to 21, on 13 sheets, including a General Map of the District on the scale of 4 miles to 1 inch; price 30s.*

No. 1. Purgunnahs Kotaleepara, Futtehjungpoor, &c.

No. 2. Purgunnahs Bungroa, Beermohun, &c.

Nos. 3 and 4. Purgunnahs Edilpoor, &c.

Nos. 5 and 9. Purgunnahs Selimabad, Chundrodeep, &c.

No. 6. Purgunnahs Selimabad, Chundrodeep, &c.

Nos. 7 and 8. Purgunnahs Edilpoor, Chundrodeep, &c.

No. 10. Purgunnahs Syudpoor, Selimabad, &c., and portion of Sunderbuns adjoining.

Nos. 11 and 14. Purgunnahs Boozoorg, Oomedpoor, Arungpoor, &c.

No. 12. Purgunnahs Chundrodeep, Shaistanuggur, &c.

Nos. 13, 15, and 17. Purgunnahs Chundrodeep, Nazirpoor, &c.

Nos. 16, 20, 22, 23, 24. Purgunnahs Syudpoor and Boorzoorg, Oomedpoor, together with adjacent portions of Soonderbuns.

Nos. 18, 19, and 21. Purgunnahs Chundrodeep and Jafrabad, Rufeannuggur, and portion of Soonderbuns adjoining.

The DISTRICT of BAKARGANJ, its History and Statistics. By H. Beveridge, B.C.S., Magistrate and Collector of Backarganj. London, 1876. 8vo., cloth.

CIVIL STATION of BURRISAU. Surveyed under the superintendence of Major J. E. Gastrell, Revenue Surveyor, by Messrs. H. Littlewood and C. David, Assistant Revenue Surveyors. 1860-61. *Scale, 16 inches to 1 mile; size, 38 inches by 28; price 2s.*

### 2, 3. *Dacca and Furreedpore Districts.*

DISTRICTS of DACCA and FUREEDPOOR. 1857 to '60. (Surveyed by Capt. J. E. Gastrell and Mr. N. T. Davey.) *Scale, 4 miles to 1 inch; size, 38 inches by 42. MS.*

The same, lithographed and published. *Price 4s.*

### 2. *Dacca District.*

PERGUNNAH or MAIN CIRCUIT Maps of DISTRICT DACCA. 1857 to 1860. *Scale, 1 mile to 1 inch; Nos. 1 to 14 on 9 sheets; price 36s. There is no Index Map with the series, but there is a separate District Map of Dacca and Fureedpoor.*

Nos. 1 and 2. Purgunnah Bhowal, &c.

„ 3 and 4. Purgunnahs Echapoor, Bhowal, Jehangeernuggur, &c.

„ 5 and 6. Purgunnah Chandertap, &c.

„ 7 and 8. Purgunnahs Mokeemabad, Arungabad, &c.

„ 9. „ „ „

„ 10. „ Bikrumpoor.

„ 11. „ Sonorgaon, Moheshurdee, &c.

„ 12. „ Moheshurdee and Bhowal.

„ 13 and 14. „ Rajnugur and Bykunthpoor.

CITY of DACCA including CANTONMENTS. 1859. *Scale, 12 inches to 1 mile; size, 36 inches by 48; price 10s. 6d., mounted to fold in a cloth cover.*

### 3. *Furreedpore District.*

PERGUNNAH or MAIN CIRCUIT Maps of DISTRICT FUREEDPOOR. 1858-60. *Scale, 1 mile to 1 inch; Nos. 1 to 9 on 5 sheets; price 36s. There is no Index Map with this series, but there is the separate District Map of Dacca and Fureedpoor.*

Nos. 1 and 3. Purgunnahs Nuseebshahee, Moheemshahee, &c.

„ 2 and 8. „ Huvelce, Shatoir, Chur Mukoonda, &c.

„ 4, 5, and 6. „ Nuldee, Telechatee, Jullalpoor, Huvelce, &c.

„ 7 and 7½. „ Mokimpoor, Sooltanpoor, Khurroreen, &c.

„ 9. „ Jullalpoor.

\* Nos. 13 and 14 have been transferred to District Backergunge.

**CIVIL STATION of FUREEDPOOR.** 1858–59. *Scale, 8 inches to 1 mile; size, 21 inches by 18; price 4s., mounted to fold in a cloth cover.*

#### 4. *Mymensingh District.*

**DISTRICT MYMENSING.** 1850 to 1857. Sheet of the Revenue Survey of India under the direction of Lieut.-Col. H. L. Thuillier, F.R.G.S., Surveyor-General of India. Surveyed by Messrs. A. Wyatt, Revenue Surveyor; F. S. Swiney, Assistant Revenue Surveyor, and sub-assistants. *Scale, 4 miles to 1 inch; size, 46 inches by 38. MS.*

The same, lithographed and published. *Price 6s.*

**PERGUNNAH or MAIN CIRCUIT Maps of DISTRICT MYMENSING.** 1850 to '57. *Scale, 1 mile to 1 inch; Nos. 1 to 49; on 25 sheets, including a General Map of the District on the scale of 4 miles to 1 inch; price 5l. 6s.*

- No. 1. Purgunnah Attia.
- „ 2. Portions of Purgunnahs Kagmaree and Burbazoo.
- „ 3. „ Purgunnah Pokhuree, &c.
- „ 6. Purgunnah Burbazoo.
- „ 8 and 9. Purgunnah Alapsing.
- „ 15 and 16. Purgunnahs Jafurshahee and Mookeemabad.
- „ 17 and portion of 13. Purgunnah Kagmaree.
- „ 20. Purgunnah Run Bhowal.
- „ 23. Mymensing, and Tuppeh Sutsikka of Purgunnah Alapsing, &c.
- „ 25. Portions of Purgunnahs Hooseynshahee, and Tuppeh Toollunder of Kooreekhaee, &c.
- „ 26. Portions of Purgunnahs Joar-Hooseynpoor and Tuppeh Hazradee, &c.
- „ 24 and 28. Purgunnahs Mymensing, Raedom, Nusseeroojeeal, &c.
- „ 29 and 20. Portions of Purgunnahs Mymensing and Durzeebazoo, &c.
- „ 27 and 31. Portions of Purgunnahs Hooseynshahee, Nusseeroojeeal, Tuppeh Singdha, Durzeebazoo, Hazradee, &c.
- „ 32 and 33. Portion of Purgunnah Nusseeroojeeal.
- „ 34, 35, 36. Portions of Tuppehs Hazradee and Kooree Khaee.
- „ 37. Portions of Purgunnahs Joanshahee, &c.
- „ 38 and 39. Purgunnah Khulleaajooree and portions of Purgunnahs Joanshahee, and Nusseeroojeeal.
- „ 40. Portions of Purgunnahs Shooshung, Mymensing, &c.
- „ 41 and 42. Portion of Purgunnah Shooshung.
- „ 43 and 44. Portion of Purgunnah Sheyrpoor, &c.
- „ 45 and 46. Portions of Purgunnahs Sheyrpoor, Pokhuree, &c.
- „ 47. Purgunnah Sheyrpoor, and Tuppeh Sathsikka of Alapsing.
- „ 48 and 49. Purgunnahs Shooshung, Sheyrpoor, &c.

**CIVIL STATION and TOWN of MYMENSING.** 1853–54. *Scale, 8 inches to 1 mile; size, 27 inches by 36; price 2s.*

#### 5. *Tipperah District.*

**PERGUNNAH Maps of DISTRICT TIPPERAH.** *Scale, 1 mile to 1 inch; Nos. 1 to 12 on 11 sheets; price 44s. There is no Index or General Map for this District.*

- No. 1. Purgunnah Seraeel. 1861–2.
- No. 2. „ Noornuggur, &c.
- No. 3. „ Burdakhat, Nowabad, &c.
- No. 4. „ „ Pateekera, &c.
- Nos. 5 & 6. „ „ Nowabad, Meharkool, Gungamandal, &c.

- No. 7. Pergunnah Dollace, Mahabutpoor, &c.  
 No. 8. " Homnabad, Kadba, &c.  
 No. 9. " Mehurkool, Bagasacer, &c.  
 No. 10. " Khundul, &c.  
 No. 11. " Mahabutpoor, Torā, &c.  
 No. 12. " Mehar, Chowdogaon, &c.

For a General Map of Tipperah District, see Noakholly District, now in Chittagong Division.

CIVIL STATION of COMILLAH. 1862, '63. *Scale, 8 inches to 1 mile; size, 27 inches by 40; price 2s.*

## V. ORISSA DIVISION.

Including the Districts of—1, Balasore; 2, Cuttack; 3, Pooree; 4, Cuttack Tributary Estates.

### *General Map.*

The PROVINCE of CUTTACK, in Orissa. Surveyed by order of the Right Honourable Gilbert, Lord Minto, Governor-General, &c., and inscribed to Major-General John Garstin, Chief Engineer and Surveyor-General, Bengal, by Frederick Saekville, Captain and Surveyor. 1812. *Scale, about 2 miles to 1 inch; on 6 sheets; size of each, 52 inches by 30. MS. Two sheets missing, the N.W. and East.*

Map of a part of the DISTRICT of CUTTACK. Surveyed by Lieut. B. Buxton of the Engineers. 1818? *Scale, 4 miles to 1 inch; size, 60 inches by 44. MS.*

Lieut. B. Buxton's TRIANGULATION and SURVEY of part of the CUTTACK DISTRICT, comprising Balasore Pergunnah, Neelgur, Mohur-gunge, and the course of part of the Soobunreeka River, 1820. *Scale, 2 miles to 1 inch; size, 44 inches by 42. MS.*

Lieut. Buxton's SURVEY in the CUTTACK PROVINCE. 1820. *Scale, 1 mile to 1 inch; size, 74 inches by 42. MS.*

Map of the PROVINCE of ORISSA, comprising the Northern, Central, and Southern Divisions of Cuttack; or Balasore, Cuttack, and Pooree. Surveyed by Lieuts. H. L. Thuillier, R. Smith, and Mr. J. Fitzpatrick, Revenue Surveyors, 1837 to 1842. *Scale, 4 miles to 1 inch; on 4 sheets; size, 61 inches by 54; price 12s.*

Another copy, geologically coloured.

Map of the ORISSA DIVISION, comprising the Districts of Balasore, Cuttack, and Pooree; exhibiting the new Civil and Criminal Jurisdictions. Reprinted from the engraved sheets of the Atlas of India. 1869. *Scale, 4 miles to 1 inch; on 6 sheets; size of each, 29 inches by 25. Photozincograph.*

\* \* See also Orissa Topographical Survey, pp. 182-184, 202-204, 327, 328.

### 1. Balasore District.

Map of the DISTRICT of BALASORE. Surveyed by Mr. John Fitzpatrick, Revenue Surveyor, in 1838, '39, '40, '41, and '42. *Scale, 4 miles to 1 inch; size, 33 inches by 27; price 3s.*

Map of BALASORE or NORTHERN DIVISION of CUTTACK, exhibiting the Pargunnahs and other local divisions. Surveyed in seasons 1838, '39, '40, '41, and '42. *Scale, 1 mile to 1 inch; on 8 sheets; size of each, 27 inches by 22; price 16s.*

DISTRICT of BALASORE, reprinted from the original Revenue Survey Maps. Surveyed in seasons 1838, '39, '40, '41, and '42. *Scale, 1 mile to 1 inch; on 9 sheets; size of each, 26 inches by 35; price 16s.*

\* \* With the addition of Roads and Canals introduced by the Chief Engineer, Irrigation Department, in 1869. Index Map on sheet No. 1.

Polhill's Survey of the DISTRICT of BALASORE. *Scale, 2 miles to 1 inch; size, 20 inches by 24. MS.*

Tracings of the RAJGHAUT and CUTTACK ROAD (Balasore District). Signed, T. W. Armstrong, C.E. Cuttack, December 26th, 1855.

1. Plan of Balasore, showing site of the old Mahratta Ghaut. *Scale, 2 inches to 1 mile; size, 16 inches by 15.*
2. Designs for Drain Bridges. *Scale, 8 feet to 1 inch; size, 26 inches by 36.*
3. Design for a Bridge, three arches, 20 feet span. *Scales, 8 feet and 5 feet to 1 inch; size, 24 inches by 36.*
4. Design for a Bridge, one arch, 20 feet span. *Scale, 8 feet to 1 inch; size, 17 inches by 26.*
- 5 and 6. Cross Sections of the Burrabullung River. *Scales, 50 feet and 10 feet to 1 inch. On two sheets, marked Nos. 1 and 2.*
7. Plan of a portion of the Juggurnauth Road and adjacent country north of Balasore, showing the Noonajoory Bridge and Lines proposed by the Military Board and Superintending Engineer, S.E.P. *Scale, 3 inches to 1 mile; size, 24 inches by 37.*

## 2. Cuttack District.

A SURVEY of part of the PROVINCE of CUTTACK, executed during the operations of the Detachment under the command of Colonel Harcourt, in the months of November, December, January, February, and March, 1804, '05, by J. T. Blunt, Captn. Engineers. *Scale, 3½ miles nearly to 1 inch; size, 32 inches by 39. MS.*

Plan of the MAHANUDDY RIVER, from the Town of Kuttac, (Cuttack), to its embouchure at False Point in the Bay of Bengal, by Lieuts. Sackville and Blane. 1810. *Scale, 1 mile to 1 inch; size, 25 inches by 66.*

CENTRAL DIVISION of CUTTACK, showing the boundaries of Pargunnahs and other local divisions. Surveyed in 1838, '39, '40, '41, and '42, A.D. By Lieut. R. Smyth, Revenue Surveyor. *Scale, 1 mile to 1 inch; on 15 sheets, with a separate Index Map; size of each sheet, 30 inches by 22; price 30s.*

Map of the DISTRICT of CUTTACK. Surveyed by Lieut. R. Smyth, Bengal Artillery, Revenue Surveyor in 1838, '39, '40, '41, and '42. *Scale, 4 miles to 1 inch; size, 26 inches by 33; price 3s.*

DISTRICT CUTTACK. Copied from the Original Maps, and exhibiting civil and criminal jurisdictions. Surveyed in seasons 1838, '39, '40, '41, and '42. With the addition of roads and canals introduced by the Chief Engineer, Irrigation Department. 1869. *Scale, 1 mile to 1 inch; on 9 sheets; size of each, 29 inches by 40; price 12s. Index Map on sheet 1.*

DISTRICT CUTTACK. *Scale, 4 miles to 1 inch. From the Atlas of India. S. G. O. Calcutta, 1876. Size, 26 inches by 34.*

**KILLAH BANKEE**, District Cuttack. Surveyed by Lieut. Henry Thuillier, Bengal Artillery. Seasons 1837, '38, '39, '40, '41. *Scale*, 1 mile to 1 inch; *size*, 22 inches by 30; *price* 1s.

\* \* \* Annexed by Government.

**KILLAH UNGOOL** (Angool), Cuttack Tributary Mehals. Surveyed under the superintendence of Lieut.-Col. G. H. Saxton, in charge Ganjam and Orissa Topog. Survey. Seasons 1853 to '54. *Scale*, 1 mile to 1 inch; *on 4 sheets*; *size*, 56 inches by 44; *price* 5s.

\* \* \* Annexed by Government.

**Plan of the TOWN and VICINITY of CUTTACK.** Surveyed by B. Buxton, Ensign. 1818. *Scale*, 4 inches to 1 mile; *size*, 30 inches by 34. MS.

**Field Book of the SURVEY of the TOWN and VICINITY of CUTTACK**, 23rd July 1818, to 3rd February 1821. By Lieut. B. Buxton, Engineers. MS.

**Map of the TOWN and STATION of CUTTACK.** Surveyed by Lieut. R. Smyth, Bengal Artillery, Revenue Surveyor, in season 1840-1. *Scale*, 4 inches to 1 mile; *size*, 26 inches by 33; *price* 3s.

### 3. Pooree District.

**Map of POOREE or SOUTHERN DIVISION of CUTTACK**, exhibiting the Pergunnahs, Killahs, Zillahs, and other local divisions; with the Chilka Lake. Surveyed in seasons 1837, '38, '39, '40, '41, by Lieut. Henry Thuillier, Bengal Artillery. *Scale*, 1 mile to 1 inch; *on 9 sheets*; *size*, 75 inches by 106; *with a separate Index*; *price* 18s.

**MAP of the DISTRICT of POOREE or SOUTHERN DIVISION of CUTTACK.** Surveyed by Lieut. H. L. Thuillier, Bengal Artillery, in 1837, '38, '39, '40, and '41. *Scale*, 4 miles to 1 inch; *size*, 26 inches by 33; *price* 3s.

**DISTRICT POOREE**, reprinted from the original Revenue Survey Maps, and exhibiting civil and criminal jurisdictions. Surveyed in seasons 1837, '38, '39, '40, and '41.

\* \* \* With recent additions of roads and canals, introduced by the Chief Engineer, Irrigation Department. 1869. *Scale*, 1 mile to 1 inch; *on 8 sheets*; *size of each*, 27 inches by 37; *price* 14s. *Index Map on sheet No. 1.*

**Plan of the CITY of JUGGURNAUTH, or SREE PROSOOTOMKHATER**, District Pooree. Surveyed by Lieut. H. L. Thuillier, Artillery Revenue Surveyor, season 1840, '41. *Scale*, 8 inches to 1 mile; *size*, 26 inches by 36; *price* 3s.

### *Cuttack and Chota Nagpore Mehals.*

**GANJAM and ORISSA TOPOGRAPHICAL SURVEY.** 1850-52. *Scale*, 2 miles to 1 inch. *Sheet Nos.* 12, 13, 14 *on one sheet*, containing portions of Keunjhar, Morbhanj, Nilgiri, and Sukinda. Nos. 15, 15a, *on one sheet*, containing portions of Sukinda, Keunjhar, and Dhenkanal. *Size of each*, 27 inches by 40. Photozineographed.

**Map of AUTGUR**, one of the Tributary Mehals of Cuttack. *Scale*, 4 miles to 1 inch; *on 2 sheets* (Western sheet missing); *size of each*, 37 inches by 24. No title. MS.

Skeleton Plan of the BOAD ZEMINDARY, &c. (Cuttack Mehals).  
*Scale, 4 miles to 1 inch; size, 21 inches by 33. MS.*

KILLAH HINDOLE, Cuttack Tributary Mehals. Surveyed under the superintendence of Lieut.-Col. G. H. Saxton, in charge Ganjam and Orissa Topog. Survey. Seasons 1851 to '53. *Scale, 2 miles to 1 inch; size, 16 inches by 21; price 2s.*

KILLAH KANDAPADA, Cuttack Tributary Mehals. Surveyed by Capt. G. H. Saxton and Assistants. Season 1852-53. *Scale, 1 mile to 1 inch. Photozincograph, 1871. Size, 26 inches by 34.*

Map of the NYAGUR ESTATE, Tributary Mehal of Cuttack, surveyed under the superintendence of Capt. G. H. Saxton, Assistant Surveyor-General, by Messrs. C. A. Summers, C. Snell, and R. H. Long, Sub-Assistant Surveyors, in the season 1852, '53. *Scale, 1 mile to 1 inch; size, 31 inches by 35. MS.*

KILLAH NYAGURH, Cuttack Tributary Mehals. Surveyed by Captain G. H. Saxton and assistants. Season 1852 '53. *Scale, 1 mile to 1 inch: on 2 sheets; size, 24 inches by 36; price 3s.*

A Map of the NILGIRI, and a portion of the Mohurbunj Tributary Mehals of Cuttack. Surveyed under the superintendence of Capt. G. H. Saxton, Assistant Surveyor-General. No title or date. *Scale, 2 miles to 1 inch; size, 22 inches by 29. MS.*

KILLAH RANAPUR, Cuttack Tributary Mehals. Surveyed by Captain G. H. Saxton and assistants. Season 1852 '53. *Scale, 1 mile to 1 inch; size, 34 inches by 26; price 2s.*

KILLAH TALCHEER. Cuttack Tributary Mehals. Surveyed under the superintendence of Lieut.-Col. G. H. Saxton and Captain G. C. Depree, in charge Ganjam Topog. Survey. Seasons 1853 to '57 and 1860, '61. *Scale, 1 mile to 1 inch: on 2 sheets; size, 42 inches by 34; price 4s.*

### The Topographical Survey of the CUTTACK MEHALS:—

1850 to '53.

Map of a portion of the TRIBUTARY MEHALS of CUTTACK. Surveyed under the superintendence of Capt. G. H. Saxton, Assistant Surveyor-General in the seasons 1850, '51, '52, and '53. (Extending from Goomsoor to Moharbunge on the north.) *Scale, 4 miles to 1 inch: on 2 sheets; size, 40 inches by 37. MS.*

Map of a portion of the TRIBUTARY MEHALS of CUTTACK. Surveyed under the superintendence of Capt. G. H. Saxton, Assistant Surveyor-General, by Messrs. C. A. Summers, R. Howard, W. H. Turnbull, C. Snell, J. Leigh, R. H. Long, J. Chatelier, and J. G. King, Sub-Assistant Surveyors. Seasons 1851, '52, and '53. (The same area as the foregoing.) *Scale, 2 miles to 1 inch: on 3 sheets; size of each, 37 inches by 26. MS.*

1853, '54.

A portion of the CUTTACK TRIBUTARY MEHALS (comprising Atmullick, Ungool, and Talcheer, lying to the north of the Mahanadi River). 1853, '54. *Scale, 1 mile to 1 inch: on 4 sheets; size, 51 inches by 49. MS.*



Portions of the CUTTACK TRIBUTARY MEHALS, comprising Atmullick, Ungool, Talcheer, to the north and of parts of Daspala and Boad Mehals, lying to the south of the Mahanadi River. Surveyed under the superintendence of Captain G. H. Saxton, Assistant Surveyor-General, by J. C. King, Sub-Assistant Surveyor, in the season 1853 '54. *Scale, 2 miles to 1 inch : on 2 sheets ; size of each, 36 inches by 23.* MS.

Plan of a portion of DASPALA and BOAD, Tributary Mehals of Cuttaek. Surveyed under the superintendence of Capt. G. H. Saxton, Assistant Surveyor-General, by J. C. King, Sub-Assistant Surveyor, in season 1853 '54. *Scale, 2 miles to 1 inch ; size, 24 inches by 26.* MS.

1854, '55.

A portion of CUTTACK TRIBUTARY MEHALS and SOUTH-WESTERN FRONTIER of BENGAL. Surveyed in season 1854 '55. (Including parts of Bamra, Radakole, &c. on the S.E. of Sumbulpoor in the Central Provinces.) *Scale, 1 mile to 1 inch : in 4 sheets ; Nos. 1 and 2 only ; size of each, 26 inches by 37.* MS.

1855, '56, '57.

A portion of the TRIBUTARY MEHALS of CUTTACK, and SOUTH-WESTERN PROVINCES of BENGAL. 1855, '56, '57. (Including Raigar to Sonpoor, in the Mahanuddy Valley, now in the Central Provinces.) *Scale, 1 mile to 1 inch : in 6 sheets, marked Nos. I., II., III., IV., V., VI. ; size of each, 22 inches by 38.* MS.

1858, '59.

A portion of the CUTTACK TRIBUTARY MEHALS of KEONJUR and MOHARBANJ. Season 1858 '59. *Scale, 1 mile to 1 inch : in 4 sheets, marked Nos. 1, 2, 3, 4 ; size of each, 39 inches by 22.* MS.

1859, '60, '61.

Portions of TRIBUTARY MEHALS of CUTTACK and SOUTH-WESTERN PROVINCES of BENGAL. Season 1859, '60, '61. (Moharbanj, Dhalbhoom, &c.) *Scale, 1 mile to 1 inch : on 9 sheets ; size of each, 27 inches by 40.* MS.

\* For continuations, &c., see The Chota Nagpore Surveys, p. 202 ; also the Ganjam and Orissa Surveys, pp. 327, 328.

CUTTACK TRIBUTARY MEHALS and SOUTH-WESTERN PROVINCES of BENGAL. *Reduced to a scale of 4 miles to 1 inch : on 14 sheets, 9, 10, 11, 12, 13, 14 of various sizes.* MSS. Accompanied by a skeleton map.

Map of the CUTTACK DIVISION forming an Index Map to the surveys of the Cuttack Mehals for seasons 1857 to 1861. *Scale, 8 miles to 1 inch ; size, 32 inches by 39.*

## VI. PATNA DIVISION.

Including the Districts of—1, Chumparun; 2, Durbhunga; 3, Gya; 4, Patna; 5, Sarun; 6, Shahabad; 7, Tirhoot.

### *General Map.*

Map of SOUTH BEHAR, comprising the Districts of Behar, Shahabad, and Patna. Surveyed during the years 1841 to 46, by Capt. H. V. Stephen, Lieuts. W. M. Maxwell, and W. S. Sherwill, Revenue Surveyors. *Scale, 4 miles to 1 inch; size, 35 inches by 53. MS.*

The same, lithographed and published. *Price 8s.*

Skeleton Map of the PATNA DIVISION, comprising the Districts of Sarun-Champarun, Tirhoot, Shahabad, Behar, and Patna. Exhibiting the civil and criminal jurisdictions. Famine Relief Map, Calcutta, 1874. *Scale, 8 miles to 1 inch; size, 36 inches by 33. Folded.*

### 1. *Chumparun District.*

*See 5. Sarun District, of which it was a part.*

### 2. *Durbhunga District.*

*See 7. Tirhoot District, of which it was a part.*

### 3. *Gya (or Behar) District.*

Map of the DISTRICT of BEHAR, surveyed by Capt. H. V. Stephen, 19th Regiment Native Infantry, and Lieut. W. S. Sherwill, 66th Regiment Native Infantry, Revenue Surveyors, in 1841, '42, '43, and '44. *Scale, 4 miles to 1 inch; size, 24 inches by 53; price 6s.*

Another copy, exhibiting the revised Police Jurisdictions, in MS.

Map of the DISTRICT of BEHAR, surveyed by Capt. H. V. Stephen, 19th Regiment Native Infantry, and Lieut. W. S. Sherwill, 66th Regiment Native Infantry, in seasons 1841-2-3-4. *Scale, 1 mile to 1 inch; on 35 sheets; size, about 7½ feet by 14; with a separate Index Map; price 20s.*

A Geological Map of ZILLAH BEHAR. By Lieut. Walter S. Sherwill, Assistant Revenue Surveyor. *Scale, 6 miles to 1 inch; size, 25 inches by 42. Lithograph.*

Survey of a HIGH ROAD, lately made from GAYA to SHEHER-GHAUTTY (SHERGOTTY), in order to open a communication with the military road from Chunar to Calcutta. By Lieut. James de Auvergne. *Scale, 1½ miles to 1 inch; size, 20 inches by 17. MS.*

Plan of the HILLS of BEHAR, by a native assistant. *Scale, 1 inch to the computed cose of road distance; size, 27 inches by 48. MS.*

Map of the CITY of GYA (Gayah) and SAHIB GUNGE. Surveyed in 1843 by Lieut. Walter S. Sherwill, Assistant Revenue Surveyor. *Scale, 8 inches to 1 mile; size, 34 inches by 26; price 2s.*

4. *Patna District.*

Map of the DISTRICT of PATNA. Surveyed by Lieut. W. Maxwell, Bengal Artillery, Revenue Surveyor, in 1841, '42, '43. *Scale, 4 miles to 1 inch ; size, 24 inches by 32 ; price 4s.*

Map of the DISTRICT of PATNA. Surveyed in seasons 1841, '42, '43, by Lieut. W. Maxwell, Revenue Surveyor. *Scale, 1 mile to 1 inch ; size 55 inches by 92 ; price 16s.*

DISTRICT PATNA. *Scale, 4 miles to 1 inch.* From the Indian Atlas. S. G. O. Calcutta, 1876. *Size, 22 inches by 30.*

Map of the CITY and SUBURBS of PATNA. Surveyed by Mr. Alex. Wyatt, Officers Revenue Surveyor. 1845-46. *Scale, 10 inches to 1 mile ; size, 27 inches by 89.*

CITY of PATNA. Season 1865-66. Surveyed by Lieut. W. J. Stewart, Revenue Surveyor. *Scale, 10 inches to 1 mile ; size, 26 inches by 32. price 2s.*

The GANGES below PATNA at the end of the rains. (A view.) By Hermann de Schlagintweit. Printed in colours. *Size, 8 inches by 26.*

Plan of the CIVIL STATION of BANKIPOOR, District Patna. 1864-65. Surveyed under the superintendence of Col. J. E. Gastrell, F.R.G.S., Deputy Surveyor-General, by Lieut. W. J. Stewart, Revenue Surveyor, and Mr. C. David, Sub-assistant Surveyor. *Scale, 10 inches to 1 mile ; on 2 sheets ; size, 26 inches by 56 ; price 4s.*

CANTONMENT and ENVIRONS of DINAPORE. Surveyed in season 1863, '64. (By Lieut. W. J. Stewart, Revenue Surveyor, assisted by Mr. T. W. Nicholson, Sub-assistant Surveyor.) *Scale, 6 inches to 1 mile ; on 2 sheets ; size of each, 34 inches by 26 ; price 3s.*

5. *Sarun District.*

Map of the DISTRICT of SARUN, comprising Sircars Sarun and Chumparun. Surveyed by Lieut. W. Maxwell, Bengal Artillery, and Mr. Alex. Wyatt, Revenue Surveyors, in 1843, '44, '45, and '46. *Scale, 4 miles to 1 inch ; size, 39 inches by 30. MS.*

The same lithographed and published. *Price 4s.*

Map of the DISTRICT of SARUN, comprising Sircars Sarun and Chumparun. Surveyed by Lieut. W. Maxwell, Bengal Artillery, Revenue Surveyor, and Mr. A. Wyatt, Officiating Revenue Surveyor, in 1843, '44, '45, '46, '47 and '48. *Scale, 1 mile to 1 inch ; on 28 sheets ; with a separate Index Map ; price 24s.*

DISTRICT SARUN. Famine Relief Map. S. G. O. Calcutta, 1874. *Scale, 4 miles to 1 inch ; size, 26 inches by 30. Folded.*

6. *Shahabad District.*

Map of the DISTRICT of SHAHABAD. Surveyed by Lieut. W. S. Sherwill, 66th Regiment Native Infantry, Revenue Surveyor, in 1844, '45, and '46. *Scale, 4 miles to 1 inch ; size, 29 inches by 39. MS.*

The same, lithographed and published. *Price 4s.*

Another copy, exhibiting the revised Police Jurisdictions, in MS.

Geological map of the SOUTHERN PORTION of ZILLAH SHAHABAD, by Lieut. W. S. Sherwill. *Scale*, 2 miles to 1 inch; *size*, 30 inches by 43. Lithograph.

Map of the DISTRICT of SHAHABAD. Surveyed by Lieut. W. S. Sherwill, 66th Regiment Native Infantry, Revenue Surveyor, 1844, '45, and '46. *Scale*, 1 mile to 1 inch; on 16 sheets, with a separate Index Map; price 20s.

### 7. Tirhoot District.

Map of the DISTRICT of TIRHOOT. Surveyed by Mr. Alex. Wyatt, Revenue Surveyor, in 1846, '47, '48, and '49. *Scale*, 1 mile to 1 inch; on 25 sheets (with an Index Map on the scale of 4 miles to 1 inch, on 2 sheets); *size* of each, 22 inches by 28; price 25s.

Map of the DISTRICT of TIRHOOT. Surveyed by Mr. Alex. Wyatt, Revenue Surveyor, in 1846, '47, '48, and '49. *Scale*, 4 inches to 1 mile; *size*, 33 inches by 42. MS.

The same, lithographed and published. Price 4s.

Another copy, with revised Police Jurisdictions, in MS.

Plan of the WESTERN PORTION of the DISTRICT of TIRHOOT. Surveyed by Mr. A. Wyatt, Revenue Surveyor, in 1847, '48. *Scale*, 4 miles to 1 inch; *size*, 29 inches by 38. MS.

DISTRICT of TIRHOOT. 1846 to 1849. *Scale*, 2 miles to 1 inch; on 6 sheets; *size*, 66 inches by 68; price 24s.

Studlands of the POOSAH DEPOT, situated in Pergunnahs Kusmeh and Sureysa, district Tirhoot. Surveyed in 1845, '46. *Scale*, 4 inches to 1 mile; *size*, 25 inches by 20.

\* \* See also p. 166.

## VII. PRESIDENCY DIVISION.

Including the Districts of—1, Jessore; 2, Moorshedabad; 3, Nuddea; 4, Twenty-four Pergunnahs; 5, Calcutta.

### Field Books and General Map.

Field Book of a Survey from CHITPORE BRIDGE by a circuitous route to BOORUNHAUT, &c. (North-eastward of Calcutta), made in May 1801. Field Book of a Survey of the road from CALCUTTA to DUM DUM, BARRASET, &c., North-eastward of Calcutta, made in November 1801. By Capt. Geo. Fleming, Engrs. MS. *Foolscap folio, stiff cover.*

DISTRICTS 24 PURGUNNAHS, Nuddea, Jessore (in Presidency Division), and Furreedpoor and Backergunj (in Dacca Division). 1847 to '63. *Scale*, 8 miles to 1 inch; *size*, 32 inches by 26; price 3s.

### 1. Jessore District.

DISTRICT JESSORE. 1855 to '59. *Scale*, 4 miles to 1 inch; *size*, 26 inches by 38. MS.

The same, lithographed and published. Price 4s.

**DISTRICT JESSORE.** S. G. O. Calcutta, 1874. *Scale, 4 miles to 1 inch; size, 25 inches by 40.*

**PERGUNNAH or MAIN CIRCUIT Maps of DISTRICT JESSORE.** 1855 to 1859. *Scale, 1 mile to 1 inch; Nos. 1 to 22; on 13 sheets, including a General Map of the District on a scale of 4 miles to 1 inch; price 12s.*

- No. 1. (Purgunnahs Mahomudshahee and 23 others.)
- „ 2. (Purgunnahs Mahomudshahee and 22 others.)
- „ 3 and 5. (Purgunnahs Mahomudshahee and 16 others.)
- „ 4 and 7. (Purgunnahs Mahomudshahee and 11 others.)
- „ 6. Purgunnah Nuldee, &c.
- „ 8 and 10. Purgunnahs Nuldee, Ishubpoor, &c.
- „ 9 and 11. Purgunnahs Saidpoor, Chingootia, &c.
- „ 12. Purgunnahs Dantia, Ranchunderpoor, &c.
- „ 13, 14, 19, and 20. Purgunnahs Shahoshi, Moloe, &c. (District Jessore and Soonderbuns.)
- „ 15 and 16. Purgunnahs Hogla, Cheeroolea, Modhodea, and Rangdea, &c.
- „ 17 and 18. Purgunnahs Hogla, Madhodea, and Selimabad.
- „ 21 and 22. Purgunnah Selimabad.

**DISTRICT JESSORE.** 1855 to 59. *Scale, 1 mile to 1 inch; on 9 sheets, with a separate index map; size of each sheet, 28 inches by 38; price 23s.*

**CIVIL STATION of JESSORE and ENVIRONS.** 1857, '58. Surveyed under Capt. J. E. Gastrell, Revenue Surveyor, by Mr. C. Bradley, Assistant Revenue Surveyor. *Scale, 8 inches to 1 mile; size, 26 inches by 24; price 2s.*

**A Report on the DISTRICT of JESSORE, its Antiquities, its History, and its Commerce.** By J. Westland, Esq., C.S., late Magistrate and Collector of Jessore. Calcutta, 1871. Royal 8vo.

## 2. Moorshedabad District.

**DISTRICT MOORSHEDABAD.** 1852 to 1855. *Scale, 4 miles to 1 inch; size, 34 inches by 27. MS.*

The same, lithographed and published. *Price 4s.*

**DISTRICT MOORSHEDABAD.** S. G. O. Calcutta, 1875. *Scale, 4 miles to 1 inch; size, 25 inches by 40.*

**DISTRICT MOORSHEDABAD.** 1852 to 1855, and 1867-68. *Scale, 1 mile to 1 inch; to be completed in 10 sheets, of which Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11 are published; size of each, 40 inches by 27. With an Index Map.*

**PERGUNNAH, or MAIN CIRCUIT Maps of DISTRICT MOORSHEDABAD.** Surveyed by Captain Walter S. Sherwill, Captain J. E. Gastrell, and others. 1852 to '55. *Scale, 1 mile to 1 inch; Nos. 1 to 11, on 12 sheets, including a General Map of the District, on a scale of 4 miles to 1 inch; price 30s.*

- No. 1. Purgunnahs Furkhabad, Khanjole, and Dushazaree.
- No. 2. „ Kasimnuggur, Mungulpoor, Rajshaye, Chungnudea, Jowar-Ibrahimpoor, Sooltanoojial, and Gunkur.
- No. 3. „ Nowanuggur, Dhawa, Khoonrputap, and Chukleh-Bonhat.

No. 4.	Purgunnahs	Sherpoor, Behroul, &c.
No. 5.	„	Chandpoor, and Gysabad.
No. 6.	„	Kashcepoor, Shumushkhanec, &c.
No. 7.	„	Goas.
No. 8.	„	Putkabaree.
No. 9.	„	Koolburcea, Asudnuggur, &c.
No. 10.	„	Khurgaon and Mahlundee.
No. 11.	„	Futteh-Singh, &c.

Proposed Line of ROAD between NULHUTTY, on the East Indian Railway, and JEEAGUNGEE, on the Bhagirutty River, Moorsshedabad District. Dated, March 1856:—

1. Preliminary Survey. Tracing from Revenue Survey, showing proposed Line of Road between Jeeagunge and Nulhutti. *Scale, 4 inches to 1 mile; size, 14 inches by 115.*
2. Map to show the District ordered to be examined, and situation of proposed Line of Road. *Scale, 4 miles to 1 inch; size, 24 inches by 19.*
3. Trial Section of proposed Line of Road. *Scales, 600 feet, 20 feet, and 10 feet to 1 inch; size, 13 inches by 131.*
4. Sketch Map showing proposed Communication between the Railway and the District East of the Bhagirettee. *Scale, 8 miles to 1 inch; size, 21 inches by 14.*
5. Outline Designs of Bridges from which estimates have been formed. *Scale, 6 feet to 1 inch; size, 13 inches by 129.*
6. Trial Section of Proposed Line of Road between Jeeagunge and Nulhutti. *Scales, 600 feet, 20 feet, and 10 feet to 1 inch; size, 13 inches by 132.*

CANTONMENT and ENVIRONS of BERHAMPOOR (Burhamporè). *Scale, 8 inches to 1 mile; on 6 sheets; size of each, 30 inches by 22; price 8s.*

CANTONMENT and CIVIL STATION of BERHAMPOOR. Surveyed in 1851–52, and showing improvements to 1859. *Scale, 16 inches to 1 mile; size, 35 inches by 40.*

The CITY of MOORSHEDABAD, surveyed in season 1853–4, under the superintendence of Captain J. E. Gastrell, Officiating Revenue Surveyor. *Scale, 8 inches to 1 mile; size, 40 inches by 27; price 2s.*

### 3. Nuddea District.

DISTRICT of NUDDEA. 1851 to 1855. *Scale, 4 miles to 1 inch; size, 38 inches by 26. MS.*

The same, lithographed and published. *Price 4s.*

DISTRICT NUDDEAH. S. G. O. Calcutta, 1874. *Scale, 4 miles to 1 inch; size, 25 inches by 40.*

PERGUNNAH or MAIN CIRCUIT Maps of DISTRICT NUDDEAH. 1851 to 1855. *Scale, 1 mile to 1 inch; Nos. 1 to 10: on 11 sheets, including a General Map of the District on a scale of 4 miles to 1 inch; price 3l. 4s.*

- |     |    |             |   |
|-----|----|-------------|---|
| No. | 1. | Purgunnahs  | Ookrah and Chowrassee.                                  |
| „   | 2. | Havelceshur | and Panchnoor.  |
| „   | 3. | Sreenuggur, | Koosdah, Saestanuggur, and Amecrpoor.                   |
| „   | 4. | Bugwan,     | Plassey, Oomurpoor, Muhutpoor, Khosalpoor, and Belgong. |
| „   | 5. | Moolghur,   | Baugmarah, and Kullara Hoscinoor.                       |

- No. 6. Huldoh, Alumpoor, Joypoor, and Sooltanpoor.  
 „ 7. Ookrah, Chaeklah, Kishennuggur, and Turuf Nuddeah.  
 „ 8. Mamjooanee, Muttearee, Oomurpoor, and Fyzoolapoor.  
 „ 9. Sahaoojul and Guznoleepoor.  
 „ 10. Rajpoor.

CIVIL STATION of KISHNAGHUR. 1853-54. *Scale, 12 inches to 1 mile; size, 27 inches by 40; price 2s.* Surveyed under Major R. Smyth, Revenue Surveyor, by Mr. W. Ivey, Assistant Revenue Surveyor.

Tracing from the PERGUNNAH MAP, showing the site A. proposed for the Central Jail with reference to Kishnaghur. 1867. *Scale, 1 mile to 1 inch; size, 17 inches by 20.* On tracing cloth. MS.

*Battle of Plassy.*

A ground Plan of the BATTLE fought at PLASSY between the Nabob and English troops under the Command of Colonel Clive, 23rd June 1757. Done by Lieut. Randfundir Knox. *Size, 58 inches by 31.* MS.

A Plan of the BATTLE of PLASSY, fought on the 23rd June 1757, between Surajud Dowlat, Nabob of Bengal, who had upwards of 50,000 men in the Field, and Colonel Robert Clive, who commanded 1,000 Europeans and 2,000 Seapoys only. *Size, 20 inches by 28.*

Plan and Prospect of the BATTLE of PLASSY, the 23rd June 1757, between the English and the Nabob of Bengal. Gained by Col. Clive, Commander-in-Chief of the English forces there. *Size, 20 inches by 29.* MS.

Plan of the BATTLE of PLASSY. Mounted on cardboard. *Size, 28 inches by 20.* MS.

*4. Twenty-four Pergunnahs District.*

Map of the DISTRICT of 24 PERGUNNAHS, surveyed by Capt. R. Smyth, Revenue Surveyor, 1847 to 1852. *Scale, 4 inches to 1 mile; size, 27 inches by 34.* MS.

The same, lithographed and published. *Price 4s.*

District Twenty-four PERGUNNAHS. S. G. O. Calcutta, 1874. *Scale, 4 miles to 1 inch; size, 25 inches by 40.*

Preliminary Map of the DISTRICT of 24 PERGUNNAHS, surveyed by Captain R. Smyth, Revenue Surveyor, 1847 to 1851, to which is added that portion of the Soonderbuns lying to the South of the District, taken from the Surveys of Morrieson, Prinsep, Hodges, and Lloyd. *Scale, 4 miles to 1 inch; size, 36 inches by 27.*

Portion of the DISTRICT of 24 PERGUNNAHS, comprising the Jurisdiction of the Baraset Magistrate. 1848 to 1852. *Scale, 1 mile to 1 inch; in four parts, size of each, 30 inches by 37; price 12s.*

Map of the Portion of the DISTRICT 24 PERGUNNAHS, comprising the Jurisdiction of the Allipoor Magistrate. Surveyed by Capt. R. Smyth, Revenue Surveyor, 1847 to 1852. *Scale, 1 mile to 1 inch; on 8 sheets joined together; size, 70 inches by 48; price 12s.*

ALLYPOOR CANTONMENT. 1863–64. *Scale, 24 inches to 1 mile ; size, 20 inches by 22.*

BALLYGUNGE CANTONMENT. 1863–64. *Scale, 24 inches to 1 mile ; size, 22 inches by 30.*

Plan of BARRACKPORE CANTONMENT and ENVIRONS. Surveyed in season 1866–67. *Scale, 6 inches to 1 mile ; size, 25 inches by 38.*

## CALCUTTA.

Plan for the INTELLIGENCE of the MILITARY OPERATIONS at CALCUTTA, when attacked and taken by Seerajah Dowlet. 1756. *Size, 12 inches by 19.*

A view of CALCUTTA as in 1766. T. Kitchin, sculpsit. *Size, 12 inches by 29.*

Reduced Map of the CALCUTTA LANDS situated to the Eastward of FORT WILLIAM. Surveyed by Capt. G. Fleming. 1801. *Scale, 1 mile to 1 inch ; size, 57 inches by 43.*

Map of the SUBURBS of CALCUTTA, between Burnagore and the Salt Water Lake and Garden Reach. (With the proposed embankment and canal around the city.) Surveyed in 1817. *Scale, 600 yards to 1 inch ; size, 30 inches by 34.* MS.

Plan of the CITY of CALCUTTA, taken by the order of the Government under the superintendence of the Committee of Improvements, drawn for the Honourable Court of Directors by \* \* J. Aug. Schaleh, Superintendent of Canals, late Deputy Assistant Quartermaster-General, and Surveyor of Calcutta. 1824. *Scale, 132 feet to 1 inch ; size, 8 feet by 18½.* MS. Mounted on a spring roller.

Plan of the CITY and ENVIRONS of CALCUTTA, made under the superintendence of the Committee for improving that city, and showing their latest improvements, by Major T. A. Schaleh, Superintendent of Roads and Bridges. (Engraved by E. De La Combe, Calcutta, 1825.) On 6 sheets folded in cases, with a book of reference.

Historical Sketch of the FISCAL ADMINISTRATION of CALCUTTA from its origin until 1830. By P. G. Feap., stiff cover. MS.

Map of the SUBURBS of CALCUTTA, East of the Circular Road from Barnagore to Balligunge, including Dum Dum, the Circular Canal, the Salt Water Lake, and on a smaller scale the whole line of Eastern Canal to the Eeshamuttee River. By Captain Thomas Prinsep, Engineers, late Superintendent of Canals. 1830. *Scale, 4 inches to 1 mile ; size, 48 inches by 41.*

Map of the CITY and ENVIRONS of CALCUTTA, constructed chiefly from Major Schaleh's Map and from Captain Prinsep's Surveys of the Suburbs, with the latest improvements and topographical details by J. B. Tassin, Calcutta, 1832. *Scale, 4¼ inches to 1 mile ; size, 23 inches by 31.*

A new Map of the COUNTRY 50 miles round CALCUTTA. By J. B. Tassin, Calcutta, 1836. *Size, 13 inches by 10.*

CALCUTTA. Published under the superintendence of the Society for the Diffusion of Useful Knowledge. London, 1842. *Scale, 600 yards to 1 inch ; size, 14 inches by 22.*



*Simms' Survey, 1847-49.*

Plan of CALCUTTA, from actual Survey in the Years 1847-1849, by Frederic Walter Simms, F.R.A.S., F.G.S., M. Inst. C.E., Civil Engineer, Consulting Engineer to the Government of India. The Suburbs of the Town are from surveys subsequently furnished by Major H. L. Thnillier, Deputy Surveyor-General of India, &c., executed by himself and Capt. R. Smyth, Revenue Surveyor. Revised to 1857. Reduced and engraved by J. and C. Walker. *Scale, 390 feet to 1 inch; on 4 sheets; size complete, 4 feet by 7½; price 16s.*

A later edition, with additions, printed at the S. G. O., Calcutta, 1874.

Plan of CALCUTTA, surveyed in the Years 1847, '48, and '49, by F. W. Simms, F.R.A.S., F.G.S., M.I.C.E., Consulting Engineer to the Government of India, and Director of the Railway Department. Part 1, South Division, in 40 sheets, with an Index Map. Part 2, North Division, in 41 sheets, with an Index Map. *Scale, 100 feet to 1 inch.* In 2 vols. Elephant folio, half bound. MS.

The ORIGINAL DRAFTS of the Survey of CALCUTTA, by F. W. Simms, C.E. Folded in 65 parcels.\* MSS.

The ORIGINAL FIELD BOOKS of the Survey of CALCUTTA; by F. W. Simms, C.E. In 27 vols. MSS.

Report on the SURVEY of CALCUTTA, by F. W. Simms, C.E., Consulting Engineer to the Government of India, and Director of the Railway Department. Dated 14th August 1850. Calcutta, 1851. Feap., paper cover.

The LEVELS of CALCUTTA, represented in sections of the principal streets and roads. By F. W. Simms, F.R.A.S., &c., Consulting Engineer to the Government of India, and Director of the Railway Department. 1848. Title, notes, index map, and seventeen sections, on 41 leaves, in one vol., oblong folio, half bound. MS.

Plan of the ENVIRONS of CALCUTTA, West of Tolly's Canal, including Garden Reach, Alipore, Kidderpore, &c. Surveyed by Capt. R. Smyth, Bengal Artillery. Season 1849, '50. *Scale, 12 inches to 1 mile; size, 34 inches by 65.* MS.

Plan of a Part of the ENVIRONS of CALCUTTA. Compiled from the Revenue Survey of Purnahnogram, by Captain Ralph Smyth, Bengal Artillery. 1852. *Scale, 12 inches to 1 mile; size, 81 inches by 48.* MS.

Plan of CALCUTTA, showing the latest improvements as existing in 1854. With part of the environs, surveyed by Capt. R. Smyth, Revenue Surveyor. Published for the use of the Conservancy Department, S.G.O. Calcutta, April 1854. *Scale, 6 inches to 1 mile; size, 38 inches by 36.* Coloured.

\* \* With a numerieal and alphabetieal list of streets.

Plan of CALCUTTA, showing the latest improvements as existing in 1854, with part of the environs. For the New Bengal Directory. *Scale, 6 inches to 1 mile; size, 40 inches by 27.*

Sketch Plan showing the SANITARY WORKS for WATER SUPPLY and DRAINAGE of CALCUTTA, and the SALT WATER LAKES. *Scale, ¾ mile to 1 inch.* W. Clark, M. Inst. C.E. With sections. No date. *Size, 40 inches by 24.*

\* Returned to the Government of India, Revenue Department, Calcutta, in compliance with Despatch dated September 28th, 1876.

Maps showing the proposed communication between CALCUTTA and the HEAD of the MUTLA RIVER by a Railway or by a Ship Canal. 1855. *Scale, 1 mile to 1 inch; size, 32 inches by 38. Lithographed.*

A MS. Tracing of the above MAP, with the alteration for the Line of Railway proposed by Jas. Longridge. December 1856.

PUNCHAWUNGRAM (Environs of Calcutta), in 6 Divisions. Divisions I., II., III., comprising 23 subdivisions, surveyed by Mr. M. Crow, Deputy Collector. Divisions IV., V., VI., comprising 59 subdivisions, surveyed by Capt. R. Smyth, Revenue Surveyor. Copied on tracing paper in S.G.O. in 1855, '56. Incomplete. MSS.

Index Map of Punchawungram showing Divisions and Subdivisions. *Scale, 2 inches to 1 mile; size, 25 inches by 26.*

Division I. Subdivisions 4, 5, 6. Cosseepoor, &c. *Scale, 300 feet to 1 inch; size, 22 inches by 25.*

„ I. Subdivision 16, 17, 18. Tallah, &c. *Scale, 300 feet to 1 inch; size, 19 inches by 28.*

„ II. Subdivisions 7, 9, 10, 11, 12, 13, 14. Manicktollah, &c. *Scale, 300 feet to 1 inch; size, 22 inches by 35.*

„ III. Subdivisions 12, 18, 19, 20, 21, 22, and 23. Sealdah, &c. *Scale, 300 feet to 1 inch; size, 36 inches by 11.*  
Subdivisions 1, 2, 3, 8, 15, missing.

„ IV. Subdivision A. Teeljullah, &c. *Scale, 150 feet to 1 inch; size, 21 inches by 12.*

„ IV. Subdivision B. Entally, &c. *Scale, 150 feet to 1 inch; size, 29 inches by 13.*

„ IV. Subdivision C. South Entally, &c. *Scale, 150 feet to 1 inch; size, 14 inches by 10.*

„ IV. Subdivision E. West Entally. *Scale, 150 feet to 1 inch; size, 20 inches by 18.*

Subdivisions D., F., G., H., I., J., K., L., M., N., O., wanting.

„ V. Subdivisions B., C., D., E. Gurriah and Porannuggur. *Scale, 150 feet to 1 inch; size, 18 inches by 34.*

„ V. Subdivision F. East Korayah. *Scale, 150 feet to 1 inch; size, 8 inches by 19.*

Subdivisions A., G., H., I., J., K., L., M., N., O., P., Q., R., S., T., U., V., W., wanting.

„ VI. Subdivision B. Dholandah. *Scale, 150 feet to 1 inch; size, 23 inches by 20.*

„ VI. Subdivisions C., D. Neezgram. *Scale, 150 feet to 1 inch; size, 25 inches by 22.*

„ VI. Subdivision J. North Chuckerbedh. *Scale, 150 feet to 1 inch; size, 18 inches by 30.*

„ VI. Subdivision K. East Chuckerbedh. *Scale, 150 feet to 1 inch; size, 23 inches by 25.*

„ VI. Subdivision L. Ballygunj lines. *Scale, 150 feet to 1 inch; size, 29 inches by 20.*

„ VI. Subdivision M. Chuckerbedh. *Scale, 150 feet to 1 inch; size, 25 inches by 19.*

„ VI. Subdivision N. West Gudshaha. *Scale, 150 feet to 1 inch; size, 15 inches by 19.*

„ VI. Subdivision O. Gudshaha. *Scale, 150 feet to 1 inch; size, 12 inches by 12.*

„ VI. Subdivision P. Beltollah. *Scale, 150 feet to 1 inch; size, 9 inches by 11.*

Subdivisions A., E., F., G., H., I., Q., R., S., T., U., wanting.

**Block No. 3. NORTH DIVISION (CALCUTTA).** Furnished by the Surveyor of the Conservancy Department (medical college and hospital, and new Medical College Hospital). *Scale, 100 feet to 1 inch; size, 13 inches by 16.* MS.

**Block No. 25. NORTH DIVISION (CALCUTTA).** Furnished by the Surveyor of the Conservancy Department (Bethune Hindu Female School). *Scale, 100 feet to 1 inch; size, 13 inches by 10.* MS.

**Extract from Block No. 28 (Calcutta). FREE CHURCH INSTITUTION.** Built in 1856. *Scale, 100 feet to 1 inch; on tracing paper, mounted; size, 8 inches by 14.* MS.

**Plan of STRAND ROAD and RIVER BANK from Old Fort Ghaut to Manick Bose's Ghaut (Calcutta).** As defined by the Surveyor of the Conservancy Department, and furnished by him to the Surveyor-General's office. *Scale, 100 feet to 1 inch; size, 90 inches by 19.* MS.

**PRESIDENCY COLLEGE, CALCUTTA.** Front View. *Size, 19 inches by 25.* MS.

**PRESIDENCY COLLEGE.** Designed by Burn & Co. April 1854. Front elevation and plan of middle floor. *Size, 48 inches by 55.*

No. 1. Plan of foundations and sections. *Size, 33 inches by 50.*

No. 2. Plan of ground floors. *Size, 33 inches by 49.*

No. 4. Plan of upper story. *Size, 33 inches by 48.*

No. 6. Section. *Size, 28 inches by 47.*

No. 9. Section. *Size, 22 inches by 35.*

Nos. 10 and 11. Dissecting Houses and Lecture Rooms. *Size, 27 inches by 23.*

No. 12. Stabling. *Size, 23 inches by 29.*

No. 13. Cook Rooms. *Size, 23 inches by 31.* MSS.

**The NEW FREE SCHOOL (CALCUTTA).** Built in 1854. Copied in Surveyor-General's office from a corrected copy of the original block. Calcutta, 19th October 1854. *Scale, 100 feet to 1 inch; size, 12 inches by 16.* MS.

**A Tracing of ERRATA on engraved section. CALCUTTA TOWN MAP.** *Size, 22 inches by 7.* MS.

### *Fort William, Calcutta.*

**Plan of FORT WILLIAM, in the Kingdom of Bengal.** No date or scale; *size, 17 inches by 26.* Marked No. 38. MS.

**Smith's RAVELIN and CARTIER'S COUNTERGUARD (FORT WILLIAM)** in their present state. December 1774. *Scale, 100 feet to 1 inch; size, 15 inches by 21.* Marked No. 43. MS.

**REDANS and OUTWORKS when completed.** Marked No. 42. (Argyll's Redoubt and Conway's Redoubt, Fort William.) *Scale, 100 feet to 1 inch; size, 15 inches by 21.* MS.

**The REDANS and OUTWORKS in their present state.** December 1774. (Argyll's Redoubt and Conway's Redoubt, Fort William.) Marked No. 45. *Scale, 100 feet to 1 inch; size, 15 inches by 21.* MS.

**PLAN and SECTIONS** exhibiting two different methods for rebuilding the face of the Redans. (Continuation of the foregoing Plan.) Dated Fort William, 2nd December 1774. Signed Jas. Lillyman, Lieut.-Col. and Chief Engineer. *Scale, 10 feet to 1 inch; size, 28 inches by 21.* MS.

**FORT WILLIAM.** Signed C. Cheape, Colonel Chief Engineer. No date. *Scale, 150 feet to 1 inch; size, 26 inches by 33.* MS.

**FORT WILLIAM (the Glacis only).** Traced from Lieut. Schalch's engraved Map of Calcutta, 1825, in the office of the Surveyor-General of India, Calcutta, 21st August 1854. *Scale, 540 feet to 1 inch; size, 19 inches by 12.* MS.

**FORT WILLIAM (the interior only, without the fortifications).** Traced from Rushton's Gazetteer, 1841-42, in the office of the Surveyor-General of India, Calcutta, 22nd August 1854. *Scale, 200 feet to 1 inch; size, 19 inches by 15.* MS.

**FORT WILLIAM.** Barrack plan in six sections. No date. *Scale, 10½ feet to 1 mile.*

### *Cossipore.*

**No. I. Front Elevation of the NEW FOUNDRY at COSSIPORE,** near CALCUTTA, erected by order of the Honourable the Court of Directors for casting and finishing Brass Ordnance for the whole of India. *Scale, 6 feet to 1 inch; Size, 25 inches by 38.* MS.

**No. II. Ground Plan of the NEW FOUNDRY, COSSIPORE,** showing the arrangement of the Steam Engines, Boring Lathes, &c. *Scale, 6 feet to 1 inch; size, 26 inches by 39.* MS.

### *Damdarn.*

**DAMDAM CANTONMENT and ENVIRONS.** 1868 to 1870. *Scale, 16 inches to 1 mile; on 15 sheets; size of each, 30 inches by 22.*

The same, reduced to 6 inches to 1 mile. *On 2 sheets; size of each, 40 inches by 27.*

### *Kidderpore Docks.*

**General Sketch of the GROUND and RIVER FRONTAGE** between HASTINGS BRIDGE and the premises lately purchased from the Calcutta Docking Company (both inclusive), explanatory of the arrangements proposed for locating the Wet Docks for Inland Steamers within the premises; and also for making a Basin for the security of the same vessels during the Monsoons, by widening Tolly's nullahs. \* \* With three Overlaps, exhibiting the Projects, numbers 1, 2, 3, and 4. Signed, G. T. Greene, Civil Architect. Copied from the original in S. G. O., Calcutta, 15th August 1844. *Scale, 90 feet to 1 inch; size, 20 inches by 45.* MS.

**No. 1 Project. Sheet No. 1. General Sketch of the H. E. I. Co.'s** Steam Premises and adjoining Properties at Kidderpore, explanatory of the arrangements proposed for the formation of a Wet Dock for the Inland Steamers and Boats. Signed, G. T. Greene, Civil Architect. Copied in S. G. O., Calcutta, July 1844. *Scale, 50 feet to 1 inch; size, 26 inches by 39.* MS.

**No. 1 Project. Sheet No. 2. Detail Plans, Sections, &c. of Buildings** and Works connected with the construction of the WET DOCKS for Inland Steam Navigation proposed to be made at KIDDERPORE. Signed, G. Greene, Capt., C.A. Copied in S. G. O., Calcutta, September 1844. *Scales, various; size, 22 inches by 30.* MS.

Details of Works connected with Project No. 6, for formation of WET DOCKS at KIDDERPOOR. Signed, Henry Goodwyn, Capt., Civil Architect. Copied from the original in S. G. O., Calcutta, September 1844. *Size, 32 inches by 50.* MS.

GROUND PLAN. Project A. or No. 7, (for the Formation of Wet Docks at Kidderpore). Signed, W. N. Forbes, Lieutenant-Colonel, Engineers. Copied from the original in the S. G. O., Calcutta, July 1844. *Scale, 90 feet to 1 inch ; size, 24 inches by 28.* MS.

DETAILS of PROJECT A. or No. 7. Ground Plan, &c. of Bridge over the entrance of the Dock proposed for the River Steamers. Signed, W. N. Forbes, Lieut.-Colonel, Engineers. Copied from the original in S. G. O., Calcutta, August 1844. *Scale, about 12 feet to 1 inch ; size, 29 inches by 25.* MS.

Plan, Elevation, and Sections of a STORE ROOM proposed to be built for the Steam Department at KIDDERPORE. No date. Signed, G. T. Greene, Officiating Civil Architect. *Scales, various ; size, 26 inches by 39.* MS.

Sketch of Ground B'' lying between Hastings Bridge, Kyd's Dock, and Kidderpore Bridge. Copied in the S. G. O., Calcutta, November 1842. *No scale ; size, 39 inches by 26.* MS.

Plan to accompany B''. No title. Showing the improvements in the Kidderpore Docks and Steam Establishment. Copied in S. G. O., Calcutta, November 1842. *No scale ; size, 19 inches by 26.* MS.

Plan E. Ground lying between the Hastings and Kidderpore Bridges. *No scale ; size, 38 inches by 25.* MS.

Plan to accompany E. Plan of proposed Improvements in the Hon. East India Co.'s Docking and Steam Establishment at Kidderpore. *No date or scale ; size, 17 inches by 24.* MS.

*Note.*—The last two Plans are apparently the originals of the two foregoing Plans.

Ground Plan for a TIDAL DOCK for the Port of CALCUTTA. *Scale 100 feet to 1 inch ; size, 35 inches by 22.*

Plans and Sections of a TIDAL DOCK, and of the Wells and their Platforms for the Port of CALCUTTA. *Scales, various ; size, 22 by 36.*

## THE SUNDARBANS.

Formerly a separate district, but now divided between the Districts of Backergunge, Jessore, and Twenty-four Pergunnahs.

*Blane's Surveys, 1811–1814.*

Plan of SAUGOR ISLAND, taken in May and June 1811. By G. R. Blane, Lieut., Engineers. *Scale, 2 inches to 1 mile ; size, 60 inches by 29.* MS.

Map of a ROUTE from CHEERACOLE to DIAMOND HARBOUR, including a Survey of the Monurgunge, Colacolly, and Fultah Creeks, with the adjacent country. Surveyed in March and April 1812, by G. R. Blane, Lieut., Engineers. *Scale, 2 inches to 1 mile ; size, 20 inches by 26.* MS.

A Map of Part of the LOWER SUNDERBUNDS, surveyed in 1813–14 by G. Rodney Blane, Lieut. of Engineers. *Scale, about 1  $\frac{1}{6}$  miles to 1 inch ; size, 31 inches by 33.* MS.

*Morrieson's Surveys, 1811–1818.*

Journal and Field Book of the SURVEY of the SUNDERBUNDS for October 1814 to February 1815, by Lieut. H. Morrieson. MS. Fcap. folio, stiff cover.

Journal and Field Book of the SUNDERBUNDS SURVEY, by Captain H. Morrieson, from 1st October 1816 to 21st June 1817. (Re-commenced in October 1816 after being suspended for two years.) MS. Fcap. folio, half bound.

Journal and Field Book of the SUNDERBUNDS SURVEY, by Captain H. Morrieson, from 9th October 1817 to 28th February 1818. MS. Fcap. folio, half bound.

SURVEY of Part of the SUNDERBUNDS from 20th April to 15th June 1811, by Lieut. Morrieson, Engineers. *Scale, 2 miles to 1 inch ; size, 22 inches by 30.* MS.

A SURVEY of Part of the SUNDERBUNDS, made during the three seasons of 1811–12, 1812–13, 1813–14, by Lieut. W. E. Morrieson, Engineers. Oriented or corrected by astronomical observations. *Scale, 2 miles to 1 inch ; size, 52 inches by 41.* MS.

Part First of the SURVEY of the SUNDERBUNDS by Lieut. Morrieson, Engineers, having for its boundaries the Hoogly River on the West, the Juboona Creek on the North, the Juboona River on the East, and the passage through the Sunderbunds, called the Balliagot passage, on the South. 1813. *Scale, 2 miles to 1 inch ; size, 38 inches by 27.* MS.

Continuation of the SURVEY of the SUNDERBUNDS, by Hugh Morrieson, Captain, Deputy Assistant Quartermaster-General. 1818. *Scale, 2 miles to 1 inch ; size, 40 inches by 21.* Also an unfinished sketch. MSS.

A SURVEY of the LARGE BOAT NAVIGATION across the SUNDERBUNDS, from near Calcutta on the West, to the Sundcep Channel and Fenny River on the East of the Delta, supposed to be by Robertson. No title. Received in 1816. Originally in 8 sheets of various sizes, now mounted together. *Scale, 2 miles to 1 inch ; size, 101 inches by 58.* MS.

*May's Surveys, 1835–1838.*

A Map of the COUNTRY between the Village of SURBAZ, on the BARASSEE RIVER, and GOOGEE on the RIVER HOOGLY. Exhibiting the line of a still water canal, proposed to be made for the purpose of permanently uniting these streams. Prepared from a Survey executed under the orders of Government, during the years 1835, 36, 37, by John Stuart May, Superintendent Nuddea Rivers. 1838. *Scale, 3 miles to 1 inch ; size, 30 inches by 24.* MS.

A lithographed copy. *Size, 27 inches by 18.*

Skeleton Map, exhibiting the PRINCIPAL PART of the INLAND NAVIGATION of the DELTA of BENGAL ; together with the lines of the proposed Rajmahal and Maugrah Canals, and the Soonderbun routes. Prepared by John Stuart May, Superintendent Nuddea Rivers. 1838. *Scale, 8 miles to 1 inch ; size, 42 inches by 24.* MS.

A lithographed copy. *Size, 34 inches by 20.*

Map of the SUNDERBUNDS, according to the latest Surveys (without date). *Scale, about 3½ miles to 1 inch ; size, 28 inches by 35.* MS.

## VIII. RAJSHAHI\* DIVISION.

Including the Districts of—1, Bogra; 2, Cooch Behar; 3, Darjeeling; 4, Dinagepore; 5, Jalpaiguri; 6, Maldah; 7, Pubnah; 8, Rajshahi; 9, Rungpore.

Skeleton Map of RAJSHAHEE DIVISION, comprising Moorshedabad, Rajshahee, Rungpore, Dinajpore, Maldah, Pubnah, and Bograh. Famine Relief Map, S. G. O., Calcutta, 1874. With sites of Government grain stores, centres of charitable relief, routes for the conveyance of grain, and relief works. *Scale, 8 miles to 1 inch; size, 36 inches by 24. Folded.*

Skeleton Map of the KOOCH-BEHAR DIVISION,† comprising the Districts of Darjeeling, Julpigoree, and Kooch-Bihar, exhibiting the Civil and Criminal Jurisdictions. S. G. O., Calcutta, 1874. *Scale, 8 miles to 1 inch; size, 22 inches by 30.*

Map of the BOUNDARY between COOCH-BEHAR and BOOTAN. Surveyed in 1850 '51 by John Kelso, Assist. Rev. Sur. *Scale, 2 miles to 1 inch; size, 27 inches by 35. MS.*

1, 4. *Bogra\* and Dinagepore Districts.*

DISTRICT BOGRAH. S. G. O., Calcutta, 1874. *Scale, 4 miles to 1 inch; size, 20 inches by 27.*

DISTRICTS DINAJPOOR and BOGRAH, 1857 to '61. *Scale, 4 miles to 1 inch; size, 42 inches by 44. MS.*

The same, lithographed and published. *Price 4s.*

PERGUNNAH or MAIN CIRCUIT Maps of DISTRICTS DINAJPOOR and BOGRAH. 1857 to '61. *Scale, 1 mile to 1 inch; Nos. 1 to 18; on 18 sheets, including a General Map of the Districts, on a scale of 4 miles to 1 inch; price 3l. 12s.*

- |             |            |   |
|-------------|------------|---|
| No. 1.      | Purgunnahs | Poostul and Chowrah.                                |
| No. 2.      | "          | Juhangeerpore and Moseedah.                         |
| Nos. 3 & 4. | "          | Kordoho, Suntosh, and Khurrah.                      |
| No. 5.      | "          | Suntosh.  |
| Nos. 6 & 8. | "          | Pulladassee, Kangore, Futtehjungpore, &c.           |
| No. 7.      | "          | Sushbeer, Debeekote, and Mudnabatee.                |
| No. 9.      | "          | Sooltanpore, Gillahbaree, Khastalook, and Surhutta. |
| No. 10.     | "          | Deorah and Surooppore.                              |
| No. 11.     | "          | Panjrah.  |
| No. 12.     | "          | Beejoynuggur, Bajitpore, and Malligaon.             |
| No. 13.     | "          | Dhanjar, &c.  |
| No. 14.     | "          | Delwarpore, Surhurmanakole, &c.                     |
| No. 15.     | "          | Tajpore, Mohusan, &c.                               |
| No. 15½.    | "          | Jhapartail, &c.                                     |
| No. 16.     | "          | Deora, Noorpore, Behinagar, Maldooar, Khalara, &c.  |
| No. 17.     | "          | Dehatta.  |
| No. 18.     | "          | Salbaree.   |

2. *Cooch-Bihar District.*

KOOCH-BEHAR STATE, 1868 to '70. *Scale, 1 mile to 1 inch; To be completed on 7 sheets, of which 1, 2, 3, 4, 5, 6, are published; size of each, 25 inches by 36. With an Index Map.*

*See also Rungpore District, p. 200.*

\* Rajshahi and Bogra are not mentioned in the last official notification for the spelling of names of places in Bengal, No. 369, the 23rd June 1876. Dr. Hunter's standard spelling, dated Calcutta 1872, is therefore adhered to.

† Now amalgamated with the Rajshahi Division.

### 3. *Darjeeling District.*

**HILL TERRITORY of BRITISH SIKKIM, District Darjeeling.**  
1861 to 1867. *Scale, 1 mile to 1 inch; on 1½ sheet; size, 28 inches by 36; price 3s.*

**ROUGH INDEX MAP of BRITISH SIKKIM, District Darjeeling.** Surveyed by Major J. L. Sherwill, Rev. Sur., and Mr. E. T. S. Johnson, Assist. Rev. Sur. 1861 to 1867. *Scale, 2 inches to 1 mile; on 3¾ sheets; price 10s.*

**Map of BRITISH SIKKIM, comprising the Darjeeling Hill Territory and two Morung Pergunnahs.** Surveyed by Capt. W. S. Sherwill, Rev. Sur., in 1852. Reduced in the office of the Surveyor-General of India from the original map on a scale of 1 mile to that of 4 miles to 1 inch. Calcutta, 1st November 1853. *Size, 23 inches by 22. MS.*

\* \* With a list of the principal Native Tribes inhabiting the Morung and hilly countries of the Darjeeling Territory, and a list of the principal trees and plants found on the hills and in the valleys, together with the approximate elevation at which they are found.

**Map of BRITISH SIKKIM, comprising the Darjeeling Hill Territory and two Morung Pergunnahs.** Surveyed by Capt. W. S. Sherwill, Rev. Sur., in 1852. *Scale, 4 miles to 1 inch; size, 24 inches by 20; price 2s.*

**HILL TERRITORY of BRITISH SIKKIM, District Darjeeling.**  
1861 to 1867. By E. T. S. Johnson, Assist. Rev. Sur. *Scale, 2 inches to 1 mile; on 5 sheets; size of each, 27 inches by 30; price 12s.*

**DISTRICT DARJEELING.** Seasons 1861 to 1870. With a portion of Sikkim, showing the route to Tumlong. S.G.O. Calcutta, 1874. *Scale, 4 miles to 1 inch; size, 25 inches by 40.*

**DISTRICT DARJEELING.** 1861-67. S.G.O. Calcutta, 1874. Sheets 1, 2, 3, 4, 5. *Scale, 1 mile to 1 inch; size of each, 40 inches by 27.*

**MAIN CIRCUIT No. 1, DALING SUBDIVISION, District Darjeeling,** surveyed in seasons 1865-6 and 1867. By E. T. S. Johnson and P. Cowley. *Scale, 2 inches to 1 mile; on 2 sheets; size, 54 inches by 40; price 4s.*

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### *Sikkim.*

A Subsidized State communicating with the Deputy Commissioner of Darjeeling.

**INDEPENDENT SIKKIM, from a sketch by J. D. Hooker, Esq., M.D., R.N., F.R.S.,** based on the operations of the Great Trigonometrical Survey. 1850. *Scale, 4 miles to 1 inch; size, 26 inches by 20.*

**Map of SIKKIM and EASTERN NEPAL, by J. D. Hooker, Esq., M.D., R.N., F.R.S.,** exhibiting the routes of that traveller. 1850. *Scale, 4 miles to 1 inch; size, 39 inches by 26; 2 copies. MS.*



5. *Jalpaiguri.*

JULPIGOOREE DISTRICT. 1857-59, and 1864-68. *Scale, 4 miles to 1 inch; size, 27 inches by 40; price 2s.*

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Map of the DISTRICT of MALDAH, surveyed by Mr. J. J. Pemberton, Revenue Surveyor, in 1847, '48, and '49. *Scale, 4 miles to 1 inch; size, 30 inches by 21. MS.*

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DISTRICT MALDAH. S. G. O., Calcutta, 1875. *Scale, 4 miles to 1 inch; size, 22 inches by 30.*

Description of the RUINS of GAUR, by Major W. Francklin. 1810-12. Fcap. folio, bound.

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DISTRICT PUBNAH. 1853 to '55. *Scale, 4 miles to 1 inch; size, 32 inches by 26. MS.*

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DISTRICT RAJSHAHEE. 1848 to 1851. *Scale, 4 miles to 1 inch; size, 22 inches by 30. MS.*

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DISTRICT RAJSHAHEE. S. G. O., Calcutta, 1874. *Scale, 4 miles to 1 inch; size, 25 inches by 30.*

PLAN of RAMPOOR BAULEAH. 1867, '68. *Scale, 16 inches to 1 mile; on 4 sheets; size of each, 42 inches by 62; price 6s.*

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## CHOTA NAGPORE DIVISION.

(A Non-Regulation province.)

- Including the Districts of—1, Hazaribagh; 2, Lohardugga; 3, Manbhoom; 4, Singhbhoom; 5, Chota Nagpore; and the Native Mahals.

### *General Maps.*

Chart of a Survey through the different PURGUNNAHS in RAMGUR, CHOOTA NAGPORE, SUMBHULPORE, PATNA, BEHAR. Taken by Lieut. B. Sealy. 1805. *Scale, 8½ miles to 1 inch; size, 39 inches by 25.* MSS.

Survey of the ROUTE from HAZAREEBAUG to CHITRA and GURWAH. Taken in the month of February 1813, by H. C. Smyth, Capt. Engineers. *Scale, 1 mile to 1 inch; size, 23 inches by 11.* MS.

Map of ROUTE from LOHURDUGGAH in NAGPOOR, to JYNAGUR in PALAMOW. *Scale, 2 miles to 1 inch; size, 21 inches by 28.* MS.  
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Map of the PROVINCE of RAMGUR, with part of Palamow, Chuta Nagpore, &c. Surveyed by Lieut. Chas. Ranken. (No date.) *Scale, about 4 miles to 1 inch; size, 28 inches by 36.* MS.

Plan of a Survey of a Part of the SOUTH-WEST FRONTIER of BENGAL and BAHAR, by Capt. F. V. Raper, Surveyor. (1814.) *Scale, 1 mile to 1 inch; in 4 sheets incomplete; size of each, 26 inches by 30.* MS.

Map of a Survey of a Part of the SOUTH-WEST FRONTIER of BENGAL and BAHAR, by Capt. F. V. Raper, Surveyor. 1814. *Scale, 4 miles to 1 inch; size, 31 inches by 40.* MS.

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Supplementary No. T contains portion of Bamara.

„ „ U „ portions of Bamara and Radakole.

„ „ X „ portion of Raigur.

„ „ Y „ ditto.

„ „ Z „ portions of Gangpur, Raigur, and Sumbulpur.

*Seasons 1862–63.*

**CHOTA NAGPORE DIVISION (Topographical) Survey.** Surveyed in season 1862–63. *Scale, 1 mile to 1 inch; on 4 sheets marked Nos. 23, 33, 34, 43; size of each, 23 inches by 39, and 2 supplementary sheets, marked Nos. R and S; size of each, 40 inches by 23; MSS.*

No. 23 contains portions of Sarunda, Singbhoom, Gangpur, and Chota Nagpore.

„ 33 „ portions of Gangpur and Chota Nagpore.

„ 34 „ portions of Gangpur, Bonai, and Bamara.

„ 43 „ portions of Gangpur and Bamara.

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*Seasons 1862, '63, '64.*

**CHOTA NAGPORE TOPOGRAPHICAL SURVEY.** Sheet No. 42. Surveyed in seasons 1862, '63, '64. Containing portions of Chota Nagpore, Gangpur, and Jushpur. *Scale, 1 mile to 1 inch; size, 27 inches by 40. MS.*

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„ 6. „ Singbhoom and Manbhoom.

„ 7. „ Singbhoom, Moharbanj, and Dhalbhoom.

„ 10. „ Chota Nagpore.

„ 11. „ Chota Nagpore and Hazareebang.

„ 12. „ Chota Nagpore and Patkom.

„ 13. „ Singbhoom, Chota Nagpore, and Manbhoom.

„ 14. „ Singbhoom and Seraikela.

**TOPOGRAPHICAL ITEMS** used in the Eighth-of-a-Degree sheets. *Scale, 1 mile to 1 inch of the Chota Nagpore Division (Topographical) Survey. Size, 27 inches by 39. MS.*

**REPORT, GEOGRAPHICAL and STATISTICAL**, on that part of the CHOTA NAGPORE DIVISION which has come under the operations of the Topographical Survey. By G. C. Depree, Captain, B.S.C., in charge of No. 4 Topographical Party. Calcutta, July 1868. *Foolscap folio.*

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\* \* For some parts of Chota Nagpore, see The Topographical Survey of Cuttaek Mehals, pp. 183, 184.

## 1. Hazaribagh District.

Statistical Account of the HUZARIBAGH DIVISION of the Political Agency of the South-western Frontier, with notices on the Hilly Territory comprised in the late District of Ramgurh; the conduct of its administration from the accession of the territory to the British Government till the institution of the Political Agency in 1833. In three parts:—Part 1. General Account of the Hilly Territory, and Conduct of the Administration. Part 2. Medical Topography of Hazaribagh. Part 3. Medicinal Products of the Jungles, and Medicines procurable in the Bazar. By Andrew Drummond, Surgeon. Folio, half bound. MS.

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" 13 and 15.	" Nagdah and portion of Cossyepara.
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" 16 and 19.	" Ambeekanuggur, Soopoor, and Manbhoom.
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" 21.	" Part of Borobhoom.
" 22.	" Borobhoom and Koelapal.
" 24.	" Baghmoondee, Mahtah, and Cossyeparah.
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## 4. Singbhoom District.

The TRIBUTARY MEHAL\* of SARANDA in the CHOTA NAGPORE DIVISION. Surveyed by G. C. Depree, R.A., and Assistants during Season 1862-63. Calcutta, 1871. *Scale, 1 mile to 1 inch; on 2 sheets; size, 38 inches by 40.*

\* In Depree's Report, Saranda is specified as a pergunnah of Singbhoom District, consistently with Aitchison and others.

## II. THE NORTH-WESTERN PROVINCES.

[OF BENGAL PRESIDENCY.]

Including five Regulation Provinces or Divisions, viz., Agra, Allahabad, Benares, Meerut, and Rohilkhand; two Non-Regulation Provinces, viz., Jhansi and Kumaon; and two Native Principalities, viz., Gurwhal and Rampore.

Statistical, Descriptive, and Historical Account of the NORTH-WESTERN PROVINCES of INDIA. Edited under orders of the Government of India. By Edwin T. Atkinson, B.A., Bengal Civil Service. Vol. I. Bundelkhand,\* 1874. Vol. II. Meerut Division, Part I., 1875. Vol. III. Meerut Division, Part II., 1876. Vol. IV. Agra Division, Part I., 1876.

### *Atlases.*

An Atlas of the NORTH-WESTERN PROVINCES. Settlement Maps compiled and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliott, Esq., Secretary to the Sudder Board of Revenue, North-Western Provinces in charge. Allahabad, 1840 to 1843. *Scale, 4 miles to 1 inch, with exceptions denoted.* In one vol., folio, half bound.

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\* The name of Bundelkhand is obsolete as part of the North-Western Provinces; the divisions and districts which were formerly included under that name being now distinguished as the districts of Jalann, Jhansi, and Lalitpur, in Jhansi Division; and the Districts of Banda and Hamirpur, in Allahabad Division. The Bundelkhand of the present day is no part of the North-Western Provinces; for the native territories which come under that term form the Bundelkhand Assistant Agency under the Governor-General's Political Agent for Central India. The occurrence of these native territories in a special Gazetteer of the North-Western Provinces seems, therefore, to be misleading.

† Scale, 2 miles to 1 inch.

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 „ 28. Benares, by Lieuts. Stephen and Abbott.\*  
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An Atlas of the DISTRICT MAPS of BENGAL and the NORTH-WESTERN PROVINCES, including the second edition of the District Maps of the North-West Provinces. Lithographed at the Surveyor-General's Office, Calcutta, 1846. In 1 vol., folio, half-bound.

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Map of the **NORTH-WESTERN PROVINCES** of **INDIA**, under the jurisdiction of the Sudder Board of Revenue. No date. *Scale, 16 miles to 1 inch; size, 22 inches by 50.*

**INDIA.** Map of the **NORTH-WESTERN PROVINCES**, including the territory of Oude. Compiled in the Surveyor-General's Office, Calcutta, 1851. Lithographed by the Topographical Dépôt of the War Department, London, in 1858. *Scale, 16 miles to 1 inch; size, 27 inches by 55.*

Maps of the **FAMINE TRACT**, in the **NORTH-WESTERN PROVINCES** and **PUNJAB**. 1861. To illustrate Col. R. Baird Smith's Report. *Scale, 32 miles to 1 inch; in 4 charts, marked I., II., III., IV.; size of each, 16 inches by 24.* Lithographed in Surveyor-General's Office, Calcutta.

Another edition of the same maps, in four charts, lithographed by Day and Son, London. *Size of each, 15 inches by 23.*

Another edition of the same maps, with five additional charts, making altogether 9 charts, and numbered I., II., III., IV., V., VI., VII., VIII., IX. Ordered to be printed, by the House of Commons, February 1862.

Irrigation Map of the GANGES-JUMNA DOAB, N. W. P., and the DEHRA DOON. Corrected to 31st March 1869. Signed, W. Greathed, Chief Engineer. *Scale, 8 miles to 1 inch; size, 24 inches by 64. Folded in a cover.*

The NORTH-WESTERN PROVINCES showing the Districts and States under the jurisdiction of the Lieutenant Governor, with the adjoining Province of Oudh. Compiled in the office of the Surveyor-General of India. 1871. *Scale, 16 miles to 1 inch: on 4 sheets; size, 36 inches by 54; price 8s.*

The NORTH-WEST PROVINCES under the jurisdiction of the Lieutenant-Governor with the adjoining Province of Oudh. Compiled in the office of the Surveyor-General of India, from the Old Revenue Surveys of the N. W. Provinces of 1820 to 1840, and from the recent Revenue Surveys of Oudh of 1860 to 1871. Calcutta, August 1872. *Scale, 32 miles to 1 inch; size, 22 inches by 24.*

Index to the CHARTS of LEVELS in the N. W. P. compiled and under compilation in the office of the Great Trigonometrical Survey of India. *Scale, 32 miles to 1 inch.*

\*\*\* See "The Spirit Levels and Trigonometrical Heights," page 92.

### *Route Maps.*

The ROAD travelled by COLONEL UPTON, with a Deputation from the Honourable the Governor General and Council of Fort William, in Bengal; to the Dhurbar of the Mahrattas, at Poonah; and continued thence to Bombay; in the year 1775. By William Smith. *Scale, 69½ English miles to a degree; size, 30 inches by 53. MS.*

Routes from ETAYAH (ETAWAH) to FURUCKABAD. Etayah to Sumera (near Allyghur), &c. &c. By Lieut. James Nath. Rind. 1787. No title. *Scale, 1 geographical mile to 1 inch; in 3 pieces; size of each, 87 inches by 32. MS.*

Map of the ROUTE from ALLAHABAD to BENARES, and thence to BURRAH. By Lieut. James Nath. Rind. 1790. No title. *Scale, 3 miles to 1 inch; size, 15 inches by 44. MS.*

### *Wood's Surveys.*

1799–1800.

ROUTES surveyed by Lieut. Thomas Wood, Corps of Engineers.

In 1799–1800. *Scale, about 1½ miles to 1 inch. MSS.*

No. I. From Cawnpore to Lucknow, and thence to Kairabad, in November and December 1799. *Size, 55 inches by 30.*

„ II. „ Kairabad to Patrassaghaut, on the River Gogra, and thence to Keyree Ghur, in December 1799. *Size, 47 inches by 30.*

„ III. „ Keyree Ghur to Peeleebeat, in December 1799, and January 1800. *Size, 53 inches by 21.*

„ IV. „ Peeleebeat to Nahnick Muttah, and thence to Kasseepoor, in January 1800. *Size, 51 inches by 23.*

Another copy of No. IV. *Size, 34 inches by 48.*

„ V. „ Kasseepoor to Nudjeebabad, and thence to Lall Dang in January 1800. *Size, 48 inches by 22.*

Another copy of No. V. *Size, 37 inches by 35.*

„ VI. „ Lall Dang to Hurdwar, in January 1800. *Scale, about half a mile to 1 inch; size, 22 inches by 28.*

Another copy of No. VI. *Size, 23 inches by 30.*

1802.

- No. 1. From Lucnow to Feyzabad, in April 1802. *Size, 17 inches by 59.*  
 „ 3. „ Bahraitch to Nahnparrah, and thence to the Mountains, in March  
 and April 1802. *Size, 45 inches by 23.*

ROUTE from CAWNPORE to AGRA by McLeod. No title  
*Scale, about 3 miles to 1 inch; size, 18 inches by 49. MS.*

Part of a ROUTE (from REWAH to MERZAPORE) protracted  
 from the Journal of Capt. Rind, by C. Tetley, draughtsman. Oct. 1803. *Scale, 4  
 miles to 1 inch; size, 16 inches by 25. MS.*

Survey of the ROUTE of the DIVISION of the ARMY, under  
 Major-General Dowdeswell in the Doab. 1805. By Lieut. W. S. Webb, 10th  
 Regiment. (From Muttra to Raj Ghat on the Ganges.) *Scale, 2½ miles to 1 inch;  
 size, 82 inches by 19. MS.*

ROUTES taken by the late Lieut. Colonel R.H. Colebrooke. 1808  
 and '11. *Scale, 2 miles to 1 inch; Nos. 1, 3, 4; size of each, 51 inches by 30. MSS.*

No. 1. From Delhi to Hurdwar.

„ 3. „ Delhi, through Meret (Meerut), Chandpoor, and Amroha to  
 Moradabad.

„ 4. „ Delhi, through Dasnah, Hauper, and Hussenpoor to Moradabad.

Sketch ROUTE SURVEY, intended as an accompaniment to Lieut.  
 White's Field Books for the months of March and April 1812. *Scale, 4 [miles to  
 1 inch; size, 15 inches by 25. MS.*

\* From Agra to Furukabad and thence to Coel (Allyghur) with a plan of  
 Furukabad.

Map of the SOUTHERN FRONTIER of the BRITISH POS-  
 SESSIONS, from Mow (in Rewah) to Ranka (in Palamow). By Lieut. Colonel  
 C. Crawford, Surveyor-General. 1813. *Scale, 4 miles to 1 inch; size, 39 inches  
 by 57. MS.*

Survey of the ROUTE of the ARMY from CAWNPORE to  
 RAMGAUT by the Route of Furruckabad and from Currumboss to Sandy by the  
 way of Berreilly (Bareilly). Taken by order of Colonel Alexander Champion.  
*Scale, 4 miles to 1 inch; size, 21 inches by 49. MS. (No date.)*

### *Boileau's Route Surveys.*

A rough sketch of the MILITARY HIGH ROAD from CAWN-  
 POOR to ALLAHABAD, according to the Survey of 1827 by Lieut. A. H. E.  
 Boileau, Engineer, Surveyor in the Lower Doab. *Scale, 2 miles to 1 inch; size, 63  
 inches by 13. MS.*

Map of the HIGH ROAD from CAWNPOOR to FUTTEH-  
 GURH. Surveyed by Lieut. A. H. E. Boileau. 1828. *Scale, 2 miles to 1 inch;  
 size, 48 inches by 11. MS.*

Sketch of the ROAD between BARELLY and FUTEHGURH.  
 Surveyed A.D. 1835 by Capt. J. P. Boileau, late Exec. Engineer, 8th Division P. Wks.  
 (No scale.) *Size, 22 inches by 10. MS.*

Sketch of the ROAD between MORADABAD and BARELLY,  
 by J. P. Boileau. *Size, 13 inches by 8. MS.*

A REDUCTION from a MAP by M. WHISH, ESQ., by Capt. J. P. Boileau, Bengal Engineers, on a sheet of foolscap.  
\* \* Routes from Shahjahanpoor and Bareilly.

Survey of a ROUTE from AGRA to DELHI, in six foolscap leaves, by Lieut. A. H. E. Boileau, Engineers. 1828. *Scale, 2 miles to 1 inch.* MS.

Route from ALLYGHUR to MUTTRA, in two foolscap leaves, by Lieut. A. H. E. Boileau, Engineers. 1828. *Scale, 2 miles to 1 inch.* MS.

Route from PUTPURGUNJ (DELHI) to ALLYGHUR, in three half foolscap leaves, by Lieut. A. H. E. Boileau. 1829. *Scale, 2 miles to 1 inch.* MS.

LETTER from LIEUT. A. H. E. BOILEAU to CAPTAIN HERBERT (Assistant to the Surveyor-General), dated Agra, 11th January 1829, explaining the manner in which his large map of the Lower Doab was constructed. *Foolscap, 5 pages.*

### *Grand Trunk Road.*

Sketch of the 4th DIVISION GRAND TRUNK ROAD (from Allahabad to Naubutpoor, on the Karamnassa river) to accompany Executive Officers Tabular Report, dated 26th July 1848, &c. *Scale, 4 miles to 1 inch; size, 11 inches by 26.* MS.

Plan of the 5th DIVISION GRAND TRUNK ROAD, extending from the Right Bank of the Ganges at Allahabad to the junction of the Agra and Coel, and Agra and Bhogong Road, near Agra. 1851. *Scale, 4 miles to 1 inch; in 5 sheets; size of each, 13 inches by 19.* MSS.

Plan of the 6th DIVISION GRAND TRUNK ROAD (from Agra to Meerut). 1851. *Scale, 4 miles to 1 inch; size, 38 inches by 26, with tables of distances.* MS.

Sketch of the GRAND TRUNK ROAD, in the N.W. PROVINCES, from Benares to Agra, Meerut, and Dihlee. Compiled in the Surveyor-General's Office to illustrate the sketches of the 4th, 5th, and 6th Divisions of the Grand Trunk Road by Lieuts. C. H. Dickens, J. E. T. Nicholls, and W. Short, Executive Officers, February 1851. *Scale, 8 miles to 1 inch; size, 39 inches by 55.* MS.

Plan of PROPOSED GRAND TRUNK PROLONGATION between DELHI and KURNAUL. 1851. *Scale, 4 miles to 1 inch; size, 24 inches by 10.* MS.

Plan of the COUNTRY bordering the GRAND TRUNK ROAD between BENARES and DELHI, based upon the Great Triangulation and Revenue Survey Operations to 1857. With a Polymetrical Table of Distances in the Bengal Presidency and the names of the Staging Bungalows from Benares to Delhi and Agra to Nurbudda River, with the distances between them. *Scale, 8 miles to 1 inch; size, 41 inches by 52; price 8s.*

### *Agra and Bombay Road, Agra and Indore Division.*

RA and BOMBAY ROAD. Plans, Sections, and Elevation of a Bridge proposed to be built over the Khari River, north of Tehra, and 10 miles south of Agra in the British Territory, in Stage 1st, Agra to Tehra. Plan No. 3 to accompany Estimate No. 3 of 30th Sept. 1855. *Scale, 10 feet to 1 inch; size, 27 inches by 39.* On tracing cloth. MS.

**AGRA and BOMBAY ROAD.** Plan, Sections, and Elevation of a Bridge proposed to be built over the Olungun River, near Jajow, 19 miles south of Agra in the British Territory, in Stage 2nd, Tehra to Munnia. Plan No. 4 to accompany Estimate No. 4 of 30th September 1855. *Scale, 15 feet to 1 inch; size, 26 inches by 38.* On tracing cloth. MS.

*Meerut and Kurnal Road.*

**General Plan of the ROAD from MEERUT to KURNAL.** (No title.) Dated 11th August 1856. *Scale, 4 miles to 1 inch; size, 17 inches by 13.* On tracing cloth. MS.

**Plan of the RIVER HINDON** where it is crossed by the Meerut and Kurnal Road. July 9th, 1855. *Scale, 18 inches to 1 mile; size, 26 inches by 32.* On tracing cloth. MS.

**Section of the RIVER HINDON** between the villages of Parsee and Serowrah, on the Meerut and Kurnal Road. *Scale, 20 feet to 1 inch; size, 8 inches by 102.* On tracing cloth. MS.

**I. AGRA DIVISION.**

Including the Districts of—1, Agra; 2, Etawah; 3, Etah; 4, Farrukhabad;\* 5, Muttra; 6, Mainpuri.

*1. Agra District.*

**Map of the DISTRICT of AGRA.** Surveyed by Captains J. Fordyce and R. Wroughton. Compiled and lithographed in the Superintendent of Revenue Surveyor's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces. 1840. *Scale, 4 miles to 1 inch; size, 16 inches by 26.*

**Map of the DISTRICT of AGRA.** Surveyed by Captains R. Wroughton and J. Fordyce, Revenue Surveyors, in 1837, '38, '39. Re-compiled in Surveyor-General's Office in 1846. *Scale, 4 miles to 1 inch; size, 17 inches by 28.*

**COUNTRY round AGRA.** Compiled from the old Revenue Survey District Maps of the North-West Provinces, in the Surveyor-General's Office, Calcutta. 1870. *Scale, 2 miles to 1 inch; size, 30 inches by 38; price 3s.*

**AGRA CANTONMENT, CITY, and ENVIRONS.** Season 1868, '69. *Scale, 6 inches to 1 mile; on 6 sheets: size of each, 22 inches by 30; price 10s.*

**AGRA CANTONMENT, CITY, and ENVIRONS.** Season 1868-69. *Scale, 12 inches to 1 mile; on 15 sheets; size of each, 27 inches by 40.*

**FORT at AGRA.**—I. View from the ramparts looking up the Ganges. II. View taken from the top of the Taj, Feb. 1840. From sketches by Lord Henry Scott. *Size of each, 13 inches by 20.*

**AGRA BARRACKS.**—Sheet No. 1, Artillery lines, on 2 sheets. Sheet No. 2, Infantry lines, on 6 sheets. Sheet No. 3, Garrison in Fort.

**Plan of the MAUSOLEUM and GARDEN of TAJH MAHAL,** on the South Bank of the Jumna River, Agra. 1828. *Scale, 80 feet to 1 inch; size, 28 inches by 19.*

\* This spelling is in accordance with an "Alphabetical List of the Names of the more important places in the North-Western Provinces" sent with a Despatch to Mr. Markham, No. 195, from the Off. Sec. Govt. India, Dept. of R. A. & C., dated Simla, 12th April 1877. It differs from Dr. Hunter's "Standard Spelling," 1872, and from the Gazetteer N. W. P., Agra, Part 1, 1876; also from the authorised list headed by an official "Notification," dated Calcutta, 28th October 1874. Dr. Hunter has Farakhabad, the others have Farukhabad, each having only one r.

## 2. *Etawah District.*

Map of the DISTRICT of ETAWAH. Surveyed by Capt. R. Wroughton, lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces. 1840. *Scale, 4 miles to 1 inch; size, 17 inches by 21.*

Map of the DISTRICTS of ETAWAH. Surveyed by Capt. R. Wroughton, Revenue Surveyor, in 1838, '39. Re-compiled in the Surveyor-General's Office, Calcutta, in 1845. *Scale, 4 miles to 1 inch; size, 20 inches by 24.*

## 4. *Farrukhabad District.*

Map of the DISTRICT of FURRUCKABAD. Surveyed by Captains H. M. Lawrence and R. Wroughton. Compiled and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces. 1841. *Scale, 4 miles to 1 inch; size, 21 inches by 22.*

Map of the DISTRICT of FURRUCKABAD. Surveyed by Capts. Lawrence and Wroughton, during the years 1833, '34, '35, 1837, '38, '39. Re-compiled in the Surveyor-General's Office, Calcutta, in 1845. *Scale, 4 miles to 1 inch; size, 21 inches by 24.* Lithograph.

DISTRICT FURRUCKABAD. Surveyed in 1833, '34, '35, and 1837, '38, '39. Compiled in the office of the Director Ganges Canal, and completed and lithographed in the office of the Sudder Board of Revenue, N. W. P. Allahabad, Sept. 1859. *Scale, 2 miles to 1 inch; size, 36 inches by 32.*

This copy was prepared to accompany a report on the District Roads, 22nd June 1861, No. 138.

Sketch of the SKIRMISH of the KALEE NUDDEE, fought on the 2nd January 1858, by the troops under the command of General Sir Colin Campbell, G.C.B., Commander-in-Chief in India, against the rebel troops of the Nuwab of Farrukhabad. 1858. *Scale, 2 inches to 1 mile; size, 21 inches by 27.*

## 5. *Muttra District.*

Map of the DISTRICT of MUTHRA. Surveyed by Capt. R. Wroughton, lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces. 1840. *Scale, 4 miles to 1 inch; size 17 inches by 23.*

Map of the DISTRICT of MUTHRA. Surveyed by Capt. R. Wroughton, Revenue Surveyor, in 1835. Re-compiled in the Surveyor-General's Office in 1846. *Scale, 4 miles to 1 inch; size, 21 inches by 24.*

MATHURA (Muttra): a District Memoir. By F. S. Growse, M.A., Bengal Civil Service. In two parts. Printed at the North West Provinces Government Press, 1874. 2 vols, 8vo., sewed.

## 6. *Mainpuri District.*

Map of the DISTRICT of MYNPOOREE. Surveyed by Capt. R. Wroughton, lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces. 1840. *Scale, 4 miles to 1 inch; size, 23 inches by 19.*

Map of the DISTRICT of MYNPOOREE. Surveyed by Capt. R. Wroughton, Revenue Surveyor, in 1837, '38, '39. Re-compiled in the Surveyor-General's Office, Calcutta, in 1845. *Scale, 4 miles to 1 inch; size, 24 inches by 21.*

## II. ALLAHABAD DIVISION.

Including the Districts of—1, Allahabad; 2, Banda; 3, Cawnpore; 4, Fatehpur; 5, Hamirpur; 6, Jaunpur.

### 1. Allahabad District.

Map of the DISTRICT of ALLAHABAD. Surveyed by Capt. H. M. Lawrence and Lieut. H. V. Stephen. Reduced and lithographed under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces. 1843. *Scale, 4 miles to 1 inch; size, 19 inches by 22.*

Map of the DISTRICT of ALLAHABAD. Surveyed by Capt. H. M. Lawrence and Lieut. H. V. Stephen, Revenue Surveyors in 1838. Re-compiled in the Surveyor-General's Office, Calcutta, in 1845. *Scale, 4 miles to 1 inch; size, 22 inches by 28.*

CANTONMENT, CITY, and ENVIRONS of ALLAHABAD. 1867-8. *Scale, 6 inches to 1 mile: on 6 sheets; size, 22 inches by 30; price 8s.*

Sketch of the GROUND near ALLAHABAD, to illustrate Major Strachey's report, on the proposed new civil and military stations. 1858. *Scale, 3 inches to 1 mile; size, 32 inches by 25.*

ALLAHABAD PUBLIC OFFICES. 1866. Block 1. Plate 1. Plan. Plate 2. Front Elevation. Plate 3. Rear Centre and Side Centre Elevations. *Size, 11 inches by 7. Photographs.*

ALLAHABAD GUN CARRIAGE WORKS. Part of Roof, 44 feet span. Photograph, mounted on cardboard. *Size, 14 inches by 18.*

Map of the LOWER DOOAB (including the Futtehpore and parts of the Allahabad and Cawnpore Districts) by Lieut. A. H. E. Boileau, Engineers. 1828. *Scale, about 2 miles to 1 inch; size, 30 inches by 78. MS.*

### 2. Banda District.

DISTRICT BANDA, and parts of the adjoining Districts and Native States of BUNDELKUND, comprising the field of operations for the Southern Camp of Exercise. Season 1873-74. *Scale, 4 miles to 1 inch; size, 25 inches by 36.*

Map of the DISTRICT of BANDAH. Surveyed by Lieuts. S. A. Abbott and H. V. Stephen. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces. (1841.) *Scale, 4 miles to 1 inch; size, 21 inches by 29.*

Map of the DISTRICT of BANDAH. Surveyed by Lieuts. S. A. Abbott and H. V. Stephen, Revenue Surveyors, in 1840-41. Re-compiled in the Surveyor-General's Office, Calcutta, in 1845. *Scale, 4 miles to 1 inch; size, 25 inches by 29.*

Country between and around KIRWEE and KALINJER in DISTRICT BANDA and the adjoining Native States of BUNDELKUND. Prepared in the Surveyor-General's Office, Calcutta, for the use of the Southern Camp of Exercise, 1873-74. *Scale, 2 miles to 1 inch; size, 27 inches by 34. In a cover.*

Another edition on the scale of 1 mile to 1 inch. *Size, 51 inches by 66. Printed on cloth, and folded in a cover.*

Plan of the TOWN and FORT of KALINJIR, in the District of Banda, N.W. Provinces. Surveyed by Capt. W. G. Murray, Staff Corps, in charge of Rewah Topographical Survey. 1863. *Scale, 6 inches to 1 mile; size, 26 inches by 22; price 2s.*

### 3. Cawnpore District.

Map of the CAWNPOOR DISTRICT. Compiled from materials in the office of the Surveyor-General of India, June 1834. By J. Graham, Assistant Surveyor and Head Draughtsman. *Scale, 4 miles to 1 inch; size, 29 inches by 21. MS.*

Map of the DISTRICT of CAWNPOOR. Surveyed by Lieut. S. A. Abbott. Reduced and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces. 1840. *Scale, 4 miles to 1 inch; size, 26 inches by 22.*

Map of the DISTRICT of CAWNPOOR. Surveyed by Lieut. S. A. Abbott, Revenue Surveyor, in 1840. Re-compiled in the Surveyor-General's Office, Calcutta, in 1845. *Scale, 4 miles to 1 inch; size, 26 inches by 21. Lithograph.*

Sketch of the ACTION of CAWNPOOR. Fought on the 6th December 1857, by the British forces, under the command of His Excellency Sir Colin Campbell, G.C.B., Commander-in-Chief in India, and the insurgent troops of the Gwalior contingent and others, under the brothers of Nana Sahib, of Bithoor. *Scale, 2 inches to 1 mile; size, 22 inches by 30.*

\* \* With notes descriptive of the battle. Lithograph.

CAWNPOOR. 1857. (Civil Station, City, and Cantonments.) *Scale, 2 inches to 1 mile; size, 9 inches by 15.*

The STATION of CAWNPOOR, as it existed at the period of the Mutiny. *Scale, 7 furlongs to 1 inch; size, 9 inches by 11. Stanford, London.*

CAWNPOOR, CANTONMENT, CIVIL STATION, CITY, and ENVIRONS. 1867, '68. *Scale, 6 inches to 1 mile; on 4 sheets; size, 54 inches by 50; price 8s.*

The same, on the scale of 12 inches to 1 mile. *On 9 sheets; size of each, 29 inches by 39; price .*

### 4. Fatehpur District.

Map of the DISTRICT of FUTTEHPOOR. Surveyed by Lieut. H. V. Stephen. Reduced and lithographed in the Superintendent of Revenue, Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces. 1841. *Scale, 4 miles to 1 inch; size, 18 inches by 22.*



Map of the DISTRICT of FUTTEHPOOR. Surveyed by Lieut. H. V. Stephen, Revenue Surveyor, in 1839. Re-compiled in the Surveyor-General's Office in 1845. *Scale, 4 miles to 1 inch; size, 22 inches by 25.* Lithograph.

### 5. Hamirpur District.

Map of the DISTRICT of HUMEERPOOR. Surveyed by Lieut. H. V. Stephen. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Secretary to the Sudder Board of Revenue, N.W. Provinces. 1840. *Scale, 4 miles to 1 inch; size, 27 inches by 24.*

Map of the DISTRICT of HUMEERPOOR. Surveyed by Lieut. H. V. Stephen, Revenue Surveyor, in 1839-40. Re-compiled in the Surveyor-General's Office, Calcutta, in 1845. *Scale, 4 miles to 1 inch; size, 27 inches by 25.*

### 6. Jaunpur District.

Map of the DISTRICT of JOUNPOOR. Surveyed by Lieut. S. A. Abbott, Revenue Surveyor, in 1839-40. *Scale, 4 miles to 1 inch; size, 23 inches by 31.*

The same, with the Great Trigonometrical Survey Stations, and their data added in MS.

Map of PURGUNNAH MOONGRA BADSHAPOOR and GURWARAH, District of Jounpoor. *Scale, 1 mile to 1 inch; size, 31 inches by 37.* MS. tracing on cloth.

SALT LANDS of PURGUNNAH MOONGRA BADSHAPOOR, District of Jounpoor. *Scale, 4 inches to 1 mile; size, 37 inches by 32.* MS. tracing on cloth.

SALT LANDS of PURGUNNAH GURWARAH, District of Jounpoor. *Scale, 4 inches to 1 mile; size, 42 inches by 37.* MS. tracing on cloth.

## III. BENARES DIVISION.

Including the Districts of—1, Azamgarh; 2, Benares; 3, Basti; 4, Ghazipur; 5, Gorakhpur; 6, Mirzapur.

### 1. Azamgarh District.

Map of the DISTRICT of AZIMGURH. Surveyed by Capts J. H. Simmonds, J. Fordyce, Lt. J. Brind, and Mr. R. Terraneau, Revenue Surveyors, in 1835-36. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale, 4 miles to 1 inch; size, 20 inches by 27.*

### 2. Benares District.

Map of the DISTRICT of BENARES, surveyed by Lieuts. S. A. Abbott and H. V. Stephen, Revenue Surveyors, in 1839-40. Re-compiled in the Surveyor-General's Office in 1846. *Scale, 4 miles to 1 inch; size, 25 inches by 33.* Lithograph.

Map of the ZEMINDARY of BENARES, in two sheets. *Scale of 3 miles to 1 inch; being a reduced copy of Capt. Browne's Survey, to which have been added the names of the Purgunnahs, with their respective Boundaries, &c.* MSS.

No. 1. Map of the Northern parts. *Size, 28 inches by 39.*

No. 2. Map of the Southern parts. *Size, 27 inches by 50.*

The City of BUNARUS (Benares), surveyed by James Prinsep. *Scale, 8 inches to 1 mile.* And the Civil Station and Cantonment of Sikrour or Secrole; *scale, 3½ inches to 1 mile.* 1822. *Size, 33 inches by 26.* Lithograph.

CANTONMENTS of SIKROL and PANDYPOOR; also the CIVIL STATION and CITY of BENARES. Season, 1867–8. *Scale, 6 inches to 1 mile; on 2 sheets; size, 42 inches by 50; price 8s.*

#### 4. *Ghazipur District.*

Map of the DISTRICT of GHAZEETPOOR, surveyed by Lieut. W. Maxwell, Revenue Surveyor, in 1839–40, 1840–41. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale, 4 miles to 1 inch; size, 22 inches by 31.*

The same, with G. P. Survey Stations and their data, added in MS., in 1851.

The portion of the GHAZEETPORE DISTRICT, west of the Station of Ghazeetpoor. *On scale of 2 miles to 1 inch; incomplete; size, 28 inches by 18.* (No title.)

Historical and Statistical Memoir of the GHAZEETPOOR DISTRICT. By Wilton Oldham, B.C.S. Sheet D. Part I. Allahabad, 1870. Folio, sewed.

#### 5. *Gorakhpur District.*

Lieut. B. Blake's FIELD BOOK of the GORUCKPOOR DISTRICT SURVEY, June 1812. 4to.

Map of the NORTHERN FRONTIER of the DISTRICT of GORUCKPOOR, where it touches the Nepaulese Dominions, including the Goruckpoor Turrai and that portion of it ceded to the Nepaulese Government; comprehending also a Survey of the Course of the Arrah Nuddee, which forms the Boundary between the Territories of His Excellency the Nawab Vizier on the west, and the Goorkhali Dominions on the east. Surveyed by Lieut. P. W. Grant, 1818. *Scale, 2 miles to 1 inch; size, 32 inches by 47.* MS.

The same, on the reduced scale of 4 miles to 1 inch. *Size, 22 inches by 27.* MS.

Map of the GORUCKPOOR FRONTIER, extending from the Hills to the Purgunnah of Amorah. Surveyed by Lieut. P. W. Grant, 1821. *Scale, 1 mile to 1 inch; size, 53 inches by 30.* MS.

A Map of the NORTHERN FRONTIER of the PROVINCE of GHORUCKPORE, by Lieut. Grant. *Scale, 3 miles to 1 inch; size, 25 inches by 37.* MS. (No date.)

Map of the ROUTE from GORUCKPOOR to BANSEE, viâ the Great Saul Forest. (No title or scale.) *Size, 42 inches by 30.* MS.

Map of the CITY, SUBURBS, and CANTONMENTS of GORUCKPOOR, surveyed by Lieut. Robert Wroughton, Revenue Surveyor, 1828. *Scale, 8 inches to 1 mile; size, 30 inches by 28.*

Map of the DISTRICT of GORUCKPORE, surveyed by Lieuts. P. W. Grant, R. Wroughton, H. M. Lawrence, J. Fordyce, J. Brind, J. N. Rind, and Mr. Terraneau, Revenue Surveyors, in 1835-36, '37-38. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale, 4 miles to 1 inch; size, 25 inches by 37. Lithograph.*

The same, with G. P. Survey Stations and their data, added in MS., in 1855.

### 6. *Mirzapur District.*

Map of the DISTRICT of MIRZAPOOR, surveyed by Capt. Robert Wroughton, 69th Regiment N.I., Revenue Surveyor, in 1840-41. *Scale, 2 miles to 1 inch; in 2 sheets; size of each, 55 inches by 25. MS.*

Map of the DISTRICT of MIRZAPOOR, surveyed by Capt. Robert Wroughton, Revenue Surveyor, in 1840-1. *Scale, 4 miles to 1 inch; size, 34 inches by 26; price 2s.*

Plan of the TOWN and FORT of CHUNAR (commonly called Chandalgarh), in the District of Mirzapur, N.W.P. *Scale, 6 inches to 1 mile; size, 24 inches by 22; price 2s.*

## IV. MEERUT DIVISION.

Including the Districts of—1, Aligarh; 2, Bulandshahr; 3, Dehra Dun; 4, Meerut; 5, Muzaffarnagar; 6, Saharanpur.

### 1. *Aligarh District.*

Map of the DISTRICT of ALLYGURH, surveyed by Capt. R. Wroughton. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Board of Revenue, N.W.P. 1837. *Scale, 4 miles to 1 inch; size, 19 inches by 25.*

Map of the DISTRICT of ALLYGURH, surveyed by Capt. R. Wroughton, Revenue Surveyor, in 1837. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale, 4 miles to 1 inch; size, 20 inches by 26. Lithograph.*

### 2. *Bulandshahr District.*

Map of the DISTRICT of BOOLUNDSHUHUR, surveyed by Capt. W. Brown. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary of the Sudder Board Revenue, N.W.P. 1840. *Scale, 4 miles to 1 inch; size, 15 inches by 22.*

Map of the DISTRICT of BOOLUNDSHUHUR, surveyed by Capt. W. Brown, Revenue Surveyor, in 1828, '29, '30, '31, '32, '39, '40. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale, 4 miles to 1 inch; size, 25 inches by 33.*

### 3. *Dehra Dun District.*

Map of DEHRA DOON, surveyed by Capt. W. Brown. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W. Provinces, in charge. 1843. *Scale, 4 miles to 1 inch; size, 15 inches by 21.*

Map of the DEHRA DHOON, surveyed by Capt. W. Brown, Revenue Surveyor, in 1838-39. Re-compiled in the Surveyor-General's Office, Calcutta, in 1845. *Scale, 4 miles to 1 inch; size, 19 inches by 26.*

Map of the EASTERN DOON of DEHRA, surveyed by Capt. W. Brown. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W.P. in charge. 1841. *Scale, 1 mile to 1 inch; size, 28 inches by 25.*

Map of the WESTERN DOON of DEHRA, surveyed by Capt. W. Brown. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W.P. in charge. 1841. *Scale, 1 mile to 1 inch; size, 24 inches by 40.*

Plan of the SANATARIUM of LANDOUR and MUSSOOREE, by Major Wm. Brown. 1844. With a Table of Heights above the Level of the Sea. *Scale, 4 inches to 1 mile; on 8 sheets; size of each, 22 inches by 17.*

The DEHRA DOON with MUSSOORIE and LANDOUR. *Scale, 2 miles to 1 inch.* Compiled, in the year 1867, in the office of the Superintendent G. T. Survey, by W. H. Scott, chiefly from the Trig. Survey Sketches of the Mussoorie and Sewalik Hills, and Major Brown's Revenue Survey Map of the Valley of the Doon. *Size, 28 inches by 39; price 3s.*

DISTRICT DEHRA DOON and the country between and around ROORKEE and HURDWAR, comprising the field of operations for the Northern Camp of Exercise. Season, 1873-4. *Scale, 2 miles to 1 inch; size, 40 inches by 26.* In a cover.

Historical and Statistical Memoir of DEHRA DOON. By G. R. C. Williams, B.A., Bengal Civil Service. Roorkee, 1874. With a map of the Dehra Doon, Mussoorie, and Landour. *Scale, 2 miles to 1 inch.* Imp. 8vo., cloth.

Guide Map for MUSSOORIE and LANDOUR, prepared from the large scale maps of the Great Trigonometrical Survey of India, under the orders of Major T. G. Montgomerie, R.E., Officiating Superintendent G. T. Survey. Second edition, with Index, Table of Distances, &c., by Lieut. J. Hill, R.E., Officiating Deputy Superintendent G. T. S. *Scale, 6 inches to 1 mile; size, 27 inches by 40; price 3s.*

Index to sheets of the MUSSOORIE and LANDOUR SURVEY *on the scale of 2 miles to 1 inch; on 17 sheets; of which sheets 7, 9, 14, are published in India, but have not reached the India Office. Size of the index, 14 inches by 10.*

DEHRA DUN and SEWALIK (HILLS) SURVEY. Surveyed during 1873-74 by Capt. F. Bailey, R.E., Superintendent Forest Surveys, &c. Dehra Dun, 1875. To be completed on 42 sheets, of which Nos. 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 15, 19, 20, 21 are published. *Scale, 4 inches to 1 mile; size of each sheet, 40 inches by 27.* With an Index Map.

#### 4. Meerut District.

Map of the DISTRICT of MEERUTH, surveyed by Capt. W. Brown. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N. W. P. 1842. *Scale, 4 miles to 1 inch; size, 19 inches by 22.*

Map of the DISTRICT of MEERUTH. Surveyed by Capt. W. Brown, Revenue Surveyor, in 1831, '32, '33, '35, '36. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale, 4 miles to 1 inch ; size, 26 inches by 33.*

CANTONMENT and ENVIRONS of MEERUT. Surveyed by Major F. C. Anderson, Deputy Superintendent, 1867-68. Under the superintendence of Colonel J. E. Gastrell, F.R.G.S., Superintendent Revenue Surveys, Upper Circle. *Scale, 12 inches to 1 mile ; on 16 sheets ; size of each, 22 inches by 30.*

CANTONMENT and ENVIRONS of MEERUT. *Scale, 6 inches to 1 mile ; on 4 sheets ; size of each, 27 inches by 29.*

MEERUT CANTONMENT and BARRACKS, North-West Provinces :—

1. Meerut Cantonments, Index to accompany large plans on two sheets.
2. Block plans of Royal Artillery, European Infantry, Cavalry, and Sudder Bazaars, Meerut, showing their bearings, and distances of Bazaar boundary pillars. *Scale, 16 inches to 1 mile ; on 2 sheets.*
3. Block plan of Royal Artillery Lines, Sheet No. 1, on 10 sections.
4. Block plan of European Infantry Lines, Sheet No. 2, on 12 sections.
5. Block plan of European Cavalry Lines, Meerut, Sheet No. 3, on 12 sections.
6. Block plan, Sheet No. 4 is wanting.
7. Block plan of New European Infantry Hospital and Railway Rest House, Sheet No. 5, on four sections.

#### 5. Muzaffarnagar District.

Map of the DISTRICT of MUZUFURNUGUR, surveyed by Capt. W. Brown. Compiled and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, North-West Provinces, in charge. 1841. *Scale, 4 miles to 1 inch ; size, 18 inches by 22.*

#### 6. Saharanpur District.

HURDWAR, MYAPOOR, and KUNKHUL, 1869, '70. *Scale, 8 inches to 1 mile ; size, 40 inches by 27 ; price 3s.*

The same, reduced to 6 inches to 1 mile. *Size, 30 inches by 22 ; price 2s.*

View of the THOMASON CIVIL ENGINEERS COLLEGE, ROORKEE, N.W.P. From the north-west. *Size, 27 inches by 40.*

### V. ROHILKHAND DIVISION.

Including the Districts of—1, Bareilly ; 2, Bijnor ; 3, Budaun ; 4, Moradabad ; 5, Shahjahanpur.

A Map of ROADS in ROHILCUND. Surveyed in 1818 and '19 by Lieut. W. Garden, D.A.Q.M.G. *Scale, 4 miles to 1 inch ; size, 52 inches by 39.* MS.

Part of ROHILCUND, comprising the Terae Pergunnahs of Districts Kumaon, Shahjehanpore, Bareilly, Moradabad, and Bijnour, from the Suddah to the Ganges Rivers, with the Villages on both Banks of the Ganges and Ramgunga Rivers. Surveyed by Capt. D. C. Vanrenen and Lieut. F. J. Burgess, Revenue Surveyors. 1848 to '54. *Scale, 4 miles to 1 inch ; size, 50 inches by 55.* MS.

### 1. Bareilly District.

Map of the DISTRICT of BAREILLY, surveyed by Lieuts. G. J. Fraser and J. Abbott. Compiled and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, North-Western Provinces, in charge. 1842. *Scale, 4 miles to 1 inch; size, 19 inches by 20.*

Map of the DISTRICT of BAREILLY, surveyed by Lieuts. G. J. Fraser and J. Abbott, Revenue Surveyors, in 1833, '34, '35, '36, '37. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale, 4 miles to 1 inch; size, 25 inches by 21.*

DISTRICT BAREILLY, 1866 to '72. North-West Provinces Revenue Survey. *Scale, 1 mile to 1 inch. To be completed on 12 sheets; of which Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, are published. Size of each, 40 inches by 27. With an Index Map; size, 26 inches by 34.*

CANTONMENTS, CITY, and ENVIRONS of BAREILLY. *Scale, 6 inches to 1 mile; on 2 sheets; size, 40 inches by 50; price 6s.*

BAREILLY, CANTONMENTS, CITY, and ENVIRONS. 1867-'68. *Scale, 16 inches to 1 mile; on 21 sheets; size of each, 26 inches by 34; price 20s.*

Map of the DISTRICT of PILLEEBHEET. Surveyed by Capt. B. Browne. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N. W. P. *Scale, 4 miles to 1 inch; size, 19 inches by 21. (No date.)*

Map of the DISTRICT of PILLEEBHEET. Surveyed by Capt. B. Browne, Revenue Surveyor, in 1838, '39, '40. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale, 4 miles to 1 inch; size, 22 inches by 27. Lithograph.*

### 2. Bijnor District.

Map of the DISTRICT of BIJNOUR, surveyed by Capt. B. Browne. Compiled and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, North-Western Provinces, in charge. 1842. *Scale, 4 miles to 1 inch; size, 23 inches by 17.*

Map of the DISTRICT of BIJNOUR, surveyed by Capt. B. Browne, Revenue Surveyor, in 1833, '34, '35, '36, '37, '39, '40, '41. Re-compiled in the Surveyor-General's Office, Calcutta, in 1847. *Scale, 4 miles to 1 inch; size, 25 inches by 20.*

DISTRICT BIJNOUR, 1868-'70. *Scale, 1 inch to 1 mile; on 7 sheets; size of each, 25 inches by 40. With an Index Map.*

### 3. Budaun District.

Map of the DISTRICT of BUDAON, surveyed by Capt. J. Bedford. Compiled and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, North-Western Provinces, in charge. 1841. *Scale, 4 miles to 1 inch; size, 20 inches by 24.*

Map of the DISTRICT of BUDAON, surveyed by Capts. J. Bedford and R. Wroughton, Revenue Surveyors, in 1822, '23, and 1828 to '34. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale, 4 miles to 1 inch; size, 25 inches by 33.*

#### 4. Moradabad District.

Map of the DISTRICT of MORADABAD, surveyed by Capt. B. Browne. Compiled and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to Sudder Board of Revenue, North-Western Provinces, in charge. 1842. *Scale, 4 miles to 1 inch; size, 25 inches by 22.*

Map of the DISTRICT of MORADABAD, surveyed by Capt. B. Browne, Revenue Surveyor, in 1834, '35, '36, '37, '38, '39, '40, and '41. Re-compiled in the Surveyor-General's Office, Calcutta, in 1847. *Scale, 4 miles to 1 inch; size, 28 inches by 23.*

MORADABAD. Cantonment, Town, and Environs. 1864, 1869, and 1872. *Scale, 6 inches to 1 mile; on 4 sheets; size of each, 30 inches by 22.*

#### 5. Shahjahanpur District.

Map of the DISTRICT of SHAHJEHANPOOR, surveyed by Capt. J. Abbott and Lieut. G. Fraser, compiled and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N. W. P., in charge. 1842. *Scale, 4 miles to 1 inch; size, 25 inches by 21.*

Map of the DISTRICT of SHAHJAHANPOOR, surveyed by Capt. J. Abbott and Lieut. G. Fraser, Revenue Surveyors, in 1838-39. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale, 4 miles to 1 inch; size, 33 inches by 26.* Lithograph.

## THE NON-REGULATION PROVINCES OF THE NORTH-WESTERN PROVINCES.

1, *Jhansi*; 2, *Kumaun*.

### I. JHANSI DIVISION.

Including the Districts of—1, *Jalaun*; 2, *Jhansi*; 3, *Lalitpur*.

#### 1. Jalaun District.

Geographical Map of the DISTRICT of JALOUN in the PROVINCE of BUNDELKUND, showing the positions of the Pargunnahs of Calpee, Koonch, and Jalalpoor. Surveyed by Lieut. S. A. Abbott, lithographed in the Superintendent of Revenue Survey's office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N. W. Provinces. *Scale, 4 miles to 1 inch; size, 24 inches by 25.*

Map of the DISTRICT of JALOUN, surveyed by Lieut. S. A. Abbott, Revenue Surveyor, in 1841-42. Re-compiled in the Surveyor-General's Office, Calcutta, in 1846. *Scale, 4 miles to 1 inch; size, 25 inches by 28.*

Report of the JALOUN DISTRICT, Historical, Geographical, Statistical, 1869. By A. H. Ternan, Lieut.-Col. B.S.C., Deputy Commissioner, Jaloun. Folio, sewed.

### 2, 3. *Jhansi and Lalitpur.*

DISTRICTS of JHANSEE and LULUTPOOR, with portions of HUMEERPOOR and JALOUN, and the Native States of TEHREE or OORCHA, &c., in Bundelund, exhibiting the Revenue Survey operations during seasons 1852, '53 to '56, '57 and '58, '59 to '60, '61. *Scale, 4 miles to 1 inch; size, 50 inches by 44; price 6s.*

CITY of JHANSEE. 1858 '59. *Scale, 4 chains (or 88 yards) to 1 inch; size, 33 inches by 25; price 2s.*

## II. KUMAUN DIVISION.

Including the Districts of—1, Kumaun; 2, Garhwal; 3, Tarai.

Journal of the SURVEY of GURHWAL for the months of August, September, October, and November, 1818, by Lieut. T. D. Herbert, 8th Regiment Native Infantry. MS.

FIELD-BOOKS of the SURVEY in KEMAOON, by Captain W. S. Webb, from the 1st May 1815 to September 30th, 1818. In 7 vols. fcap., of which 5 vols. are half-bound and two are in paper covers. MSS.

*Also* Capt. Webb's Field-books from October 1st, 1818, to December 31st, 1821, and his assistant's, Mr. R. Tate, from December 1819 to December 1821. In 5 vols. 4to., half-bound.

Original BAROMETRICAL OBSERVATIONS taken to ascertain the Heights of Mountains and Places in KUMAON. By Capt. W. Webb, Surveyor. 30th September 1820. In 2 parts, folio, paper covers. MSS.

Map of KUMAON and BRITISH GURHWAL, compiled in the Office of the Surveyor-General of India, with the latest additions from the researches of Capt. Henry Strachey in 1846, and Lieut. Richard Strachey, Engineer, in 1849, Calcutta, April, 1850. *Scale, 8 miles to 1 inch; size, 34 inches by 31; price 5s.*

Topographical Sketch of the METALLIFEROUS DISTRICTS of KUMAON and GURHWAL. 1855. *Scale, 4 miles to 1 inch; size, 26 inches by 20; price 1s.*

KUMAON and BRITISH GURHWAL. Great Trigonometrical Survey of India. *Scale, 1 inch to 1 mile; on 37 sheets, of which sheets 2, 6, 9, 12, 22, 23, 25, 26, 32, 33, 34, 38, are published with hills; and sheets 1, 6, 18, 21, 22, 23, 26, 34, without hills; size of each, 28 inches by 40.*

Sheets 1 and 6 are second editions.

Gazetteer Map of GARHWAL (BRITISH). Prepared for Mr. E. T. Atkinson's Gazetteer, &c. Dehra Dun, 1875. *Scale, 6 miles to 1 inch; size, 40 inches by 26.*

Gazetteer Map of KUMAUN and HUNDES. Prepared for Mr. E. T. Atkinson's Gazetteer, &c. Dehra Dun, 1875. *Scale, 6 miles to 1 inch; size, 40 inches by 26.*



**RANIKHET, District KUMAON.** Surveyed during 1870 under the orders of Colonel J. T. Walker, R.E., F.R.S., &c., Supt. G. T. Survey of India, by Major T. G. Montgomerie, R.E., in charge, assisted by Lieut. J. Hill, R.E., and Mr. T. Kinney. *Scale, 12 inches to 1 mile; on 11 sheets; size of each, 39 inches by 28; price 30s.* With an Index Map.

**Plan of NAINEE TAL CANTONMENTS.** Public Works Department N.W.P. 29th June 1861. *No scale; size, 30 inches by 41.*

**CANTONMENT and SETTLEMENT of NYNEE TAL.** 1872-3. *Scale, 10 inches to 1 mile; on 2 sheets; size of each, 25 inches by 40.* With a list of estates.

**CANTONMENT and SETTLEMENT of NYNEE TAL.** 1872-3. *Scale, 6 inches to 1 mile; size, 26 inches by 34.* With a list of estates.

**KOSI VALLEY SURVEY.** Surveyed during 1871 under the orders of Major D. G. Montgomerie, R.E., F.R.G.S., Officiating Supt. G. T. Survey of India, by Lieut. J. Hill, R.E., in charge, assisted by Messrs. E. C. Ryall, J. Peyton, and G. W. E. Atkinson. *Scale, 6 inches to 1 mile; on 8 sheets; size of each, 42 inches by 28; price 12s.* With an Index Map.

\* \* One edition has the hills in horizontal shading, and another edition is without hills.

### 3. *Tarai District.*

For the Tarai District, *see* Rohilkhand Division.

## NATIVE PRINCIPALITIES OF THE NORTH-WESTERN PROVINCES.

### 1. *Garhwal.*

**Map of the TERRITORY restored to the RAJAH of GURHWAL.** 1842. *Scale, 4 miles to 1 inch; size, 28 inches by 32.*

### 2. *Rampur.*

**A Survey of the JAGHIRE of AHMED ALLY KHAN,** as ceded to the Rohillas by the Treaty of Calla Wolla, in 1794. The boundary was ascertained by people deputed on the part of the Vizier and Rohillas respectively. By J. Monat, Lieut. of Engineers. *Scale, 6 furlongs to 1 inch; size, 74 inches by 50.* MS.

**RAMPOOR JAGEER,** 1864, '65, '66 (North-West Provinces Revenue Survey). *Scale, 4 miles to 1 inch; size, 24 inches by 18; price 2s.*

## III. OUDH.

Including four Divisions or Provinces; viz., Fyzabad, Lucknow, Rae Bareli, and Sitapur, subdivided into twelve Districts.

### *General Map.*

**OUDE REVENUE SURVEY.** *Scale, 1 inch to 1 mile. To be completed in 53 sheets; size of each, about 27 inches by 40; price 3s. each.* The following are published:—

Sheets 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 43, 44, 45, 46, 47, 48, 49, 51, 52, 53.

Index Map, *price 6d.*

Map of the TERRITORY of OUDH and ADJACENT DISTRICTS, compiled from materials in the Office of the Surveyor-General of India, and corrected, where practicable, from the G. T. Survey operations, January 1848. *Scale, 8 miles to 1 inch; size, 38 inches by 32.* MS.

The same, lithographed at the Surveyor-General's Office, Calcutta, 1855. *Size, 38 inches by 32.*

The same, zincographed at the Ordnance Survey Office, Southampton, 1858. *Size, 42 inches by 36.*

The same, with MS. additions, illustrating the campaign during the cold weather of 1858.

LOUDH. Compiled from the latest Surveys. (S.G.O. Calcutta.) 1870. *Scale, 16 miles to 1 inch; size, 21 inches by 23.*

\* \* With a list of Divisions, Districts, and Pergunnahs.

Skeleton Map of OUDH, compiled from the latest Surveys. (S.G.O. Calcutta.) 1872. *Scale, 4 miles to 1 inch; on 6 sheets; size of each, 26 inches by 34.*

### *Route Maps.*

Survey of the ROUTE marched by the 19th Battalion of SEPOYS in November and December 1767 from FYZABAD to MAMDY, from thence, crossing the River Gograhi, to the Forests at the Northern extremities of Shujah Dowlah's Dominions and back to Fyzabad. With a plan of the Fort at Mamdy. No. 1. *Scale, 4 miles to 1 inch; size, 58 inches by 21.* MS.

ROUTE from OWD (FYZABAD) NORTHWARDS to BHUCKRAH and BHANSEY. No. 2. (No title or date.) *Scale, 3 miles to 1 inch; size, 27 inches by 21.* MS.

ROUTE from BANSEE, on the RAPTEE RIVER, via TOOL-SEEPOR, HUREEA, BINGA, NANPARA, to NUKEEA on the GOGRAH RIVER. A 442. No. 4. (No title or date.) *Scale, about 8 miles to 1 inch; size, 30 inches by 62.* MS.

### *Hunter's Surveys.*

The ROAD from FUTTEHGURH to KAUNPOOR (CAWNPORE), LUCKNOW, FYZABAD, and TANDAH; delineated from Survey and Astronomical Observations by W. Hunter. 1794. *Scale, 5 miles to 1 inch in 2 sheets; size of each, 19 inches by 24.* MS.

ROUTES between MEERIN-CA-SERAI on the GANGES, and TEKEEAH (Oonao District), taken in 1793 and 94. (No title.) *Scale, 5 miles to 1 inch; size, 9 inches by 11.* MS.

FURUKHABAD and its ENVIRONS; FYZABAD and its ENVIRONS. 1795. *Scale, 1½ miles to 1 inch; size, 15 inches by 10.* MS.

### *General Stuart's Marches, 1799.*

Survey of the MARCH of a PART of the DETACHMENT, under Major-General Stuart, from the Town of Bansey to Bullerampoor, taken in the month of April 1799. By Lieut. Thomas Wood, Corps of Engineers. *Scale, 1½ miles to 1 inch; size, 25 inches by 41.* MS.

The same, on a reduced scale of  $2\frac{2}{3}$  miles to 1 inch; size, 17 inches by 26. MS.

Survey of the MARCH of a PART of the DETACHMENT, under Major-General Stuart, from Bullerampoor, through Akounah, to the Town of Baraitch, and thence, of the whole Detachment to Nawaub Gunge, on the Banks of the River Gogra, taken in the months of April and May 1799, by Lieut. Thomas Wood, Corps of Engineers. *Scale,  $1\frac{1}{3}$  miles to 1 inch; size, 26 inches by 39.* MS.

The same, on a reduced *scale of  $2\frac{2}{3}$  miles to 1 inch; size, 16 inches by 21.* MS.

Survey of the MARCH of the DETACHMENT, under Major-General Stuart, from Nawaub Gunge, on the Banks of the River Gogra, to Lucknow. Taken in the month of May 1799 by Lieut. Thomas Wood, Corps of Engineers. *Scale,  $1\frac{1}{3}$  miles to 1 inch; size, 20 inches by 29.* MS.

The same, on a reduced *scale of  $2\frac{2}{3}$  miles to 1 inch; size, 12 inches by 15.* MS.

### *Webb's Surveys.*

Survey of the ROUTE from LUCKNOW, KYREEGHUR, BIS-SULPOOR, MENDY GHAUT, FYZABAD, to GORUCKPOOR; with the Gurra (Gogra?) River, &c. &c. By Lieut. W. S. Webb. 1809. *Scale, 6 miles to 1 inch; size, 43 inches by 42.* MS.

Route from KHYRABAD and LUCKNOW through FYZABAD and TANDEH to MENDYGUNGE, &c. &c., and part of the Eastern Boundary of the Nawaub of Oude's country. By Lieut. W. S. Webb, Surveyor. 1810. *Scale, 6 miles to 1 inch; size, 33 inches by 28.* MS.

Surveys in OUDE. By Lieut. W. S. Webb, Surveyor. 1812. *Scale, 6 miles to 1 inch; size, 39 inches by 44.* MS.

Survey of the COUNTRY between LUCKNOW and CAWN-POOR. Reduced in the Surveyor-General's Office, Calcutta. 1857. *Scale, 2 miles to 1 inch; size, 11 inches by 26.*

Survey of ROADS from LUCKNOW to FYZABAD and BY-RAMGHAT. Reduced from the original plans by Lieut. J. Dawson, Calcutta, 1857. *Scale, 4 miles to 1 inch; size, 9 inches by 24.*

Survey of a LINE from LUCKNOW to SHAHJEHANPOOR, proposed as a continuation of the Main Trunk Road from Benares, viâ Jounpoor to Lucknow. Compiled from the surveys of Col. Colebrooke in 1808, and Capt. Cunningham, Surveyor-General's Office, Calcutta, 1858. *Scale, 4 miles to 1 inch; size, 27 inches by 21.*

ROUTES in OUDH. Compiled in Surveyor-General's Office, Calcutta, 1858. *Scale, 4 miles to 1 inch; size, 24 inches by 30.*

ROUTES in OUDH, FYZABAD to CHARDA, SECORA to TOOLSEEPOR, &c. Chiefly taken from Lieut. Webb's Surveys in 1809, '10, and '12, Surveyor-General's Office, Calcutta, 1859. *Scale, 4 miles to 1 inch; size, 30 inches by 25.*

ROUTES in OUDH, LUCKNOW to BURAECH, &c. Taken from Col. Colebrooke's Map of 1808. Surveyor-General's Office, Calcutta, 1858. *Scale, 4 miles to 1 inch; size, 25 inches by 20.*

ROUTE SURVEY from MASI G. T. S. Stn., North Longl. series to MAO G. T. S. Stn., Rangir Meridl. Series, by Messrs. J. B. N. Hennessey and J. O. N. James, Assistants G. T. Survey, 1849. *Scale, 4 miles to 1 inch; size, 12 inches by 32. MS.*

### *Boundaries of Oude.*

#### *Wood's Surveys.*

Survey of a PART of the BOUNDARY betwixt the TERRITORIES of His HIGHNESS the NAWAUB of OUDE, and those lately ceded by him to the Honourable Company, taken in the months of February and March 1802, in obedience to the orders of the Most Noble Marquis Wellesley, K.P., Governor-General, &c. &c. By Capt. Thomas Wood, Corps of Engineers. *Scale,  $1\frac{3}{8}$  miles to 1 inch; size, 47 inches by 34. MS.*

Survey of that PART of the BOUNDARY from the RIVER GOOMTY, up to the MOUNTAINS. Betwixt the territories of His Highness the Nawab of Oude, and those lately ceded by him to the Honourable Company, taken in the month of March 1802, in obedience to the orders of the Most Noble Marquis Wellesley, K.P., Governor and Captain General, &c. &c. By Capt. Thomas Wood, Corps of Engineers. *Scale,  $1\frac{3}{8}$  miles to 1 inch; size, 25 inches by 68. MS.*

#### *Grant's Surveys.*

A GENERAL MAP of VARIOUS SURVEYS by Lieut. P. W. Grant, Surveyor (Oude and Goruekpore), (1818 '20). *Scale, 5 miles to 1 inch; size, 52 inches by 58. MS.*

#### Grant's Journals, &c. :—

1. Journal of a Survey from Azimgurh to Toolsapoor in Oude, November and December 1818.
2. Memorandum for do. in April, November, and December 1818.
3. Memorandum of latitude and longitude of places on the Azimgurh Frontier, December 1818.
4. List of latitudes and longitudes of places between Lucknow and Khyreeagurh.
5. Journal and Field Book of the Survey of the disputed boundary of the Goruekpore district in May 1820.
6. Memorandum of a Survey of the Northern Frontier of Oude. 2nd December 1821, by Captain P. W. Grant. In 1 Vol. foolscap folio, half-bound.

Map of the EASTERN FRONTIER of OUDE, where it touches the territories of the Honourable the East India Company, extending from the district of Allahabad, to the first range of hills, comprehending some surveys made in the interior of the Nuwab Vizier's territories, by Lieut. P. W. Grant, 1818. *Scale, 2 miles to 1 inch; size, 69 inches by 34. MS.*

A Map of the NORTHERN FRONTIER of OUDE, where it borders on the Goorkha territories, extending from the Urrah Nuddee on the east, to the Kali or Gograh River on the west. Surveyed by Lieut. P. Warden Grant, 1818. *Scale, 4 miles to 1 inch; size, 27 inches by 45. MS.*

Map of the NORTHERN FRONTIER of OUDE, extending from the Urrah Nuddee on the east, to the Kali or Gograh river to the west. Surveyed by Lieut. P. W. Grant, 1820. *Scale,  $2\frac{1}{2}$  miles to 1 inch; size, 52 inches by 59. MS.*

A Map of the WESTERN FRONTIER of AZIMGHUR, by Lieut. P. W. Grant, 1818. *Scale, 1 mile to 1 inch; size, 37 inches by 43.* MS.

The same, *reduced to the scale of 4 miles to 1 inch; size, 15 inches by 20.* MS.

Map of the WESTERN FRONTIER of AZIMGURH and JOUNPOOR, where it touches the territory of His Majesty the King of Oude. By Lieut. P. W. Grant, Surveyor (1818). *Scale, 3 miles to 1 inch; size, 52 inches by 30.* MS.

Map of the PENINSULA within the GANGES and RAMGUNGARIVERS, by Lieut. P. W. Grant, Surveyor, 1819. *Scale, 1 mile to 1 inch; size, 28 inches by 23.* MS.

## I. FYZABAD DIVISION.

Including the Districts of—1. Bahraich; 2. Fyzabad; 3. Gonda.

### 2. *Fyzabad District.*

FYZABAD CANTONMENT, CITY, and ENVIRONS. 1868, '69, '70. *Scale, 6 inches to 1 mile; on 4 sheets; size of each, 22 inches by 30.*

FYZABAD BARRACKS, OUDH. 1. Plan of Royal Artillery Lines, on 3 sheets.

## II. LUCKNOW DIVISION.

Including the Districts of—1, Bara Banki; 2, Lucknow; 3, Unao.

### 2. *Lucknow District.*

CITY and ENVIRONS of LUCKNOW. 1862-63 and '65-66. *Scale, 6 inches to 1 mile; size, 31 inches by 50; price 5s.*

LUCKNOW CANTONMENTS. Surveyed under the superintendence of Lieut.-Col. D. C. Vanrenen, Revenue Surveyor, in 1862 '63. Corrected up to 1867. The environs in 1867 by W. H. Patterson, Esq., Assistant Revenue Surveyor. *Scale, 6 inches to 1 mile; on 4 sheets; size of each, 22 inches by 30; price 12s.*

*The Siege of Lucknow, 1857, '58.*

LUCKNOW. Lithographed notes of the events of the siege.

Sketch of the POSITIONS in LUCKNOW. Lithographed by W. Lines, East India House, 3rd December 1857. No title. *Size, 20 inches by 15.*

Plan of the ENTRENCHED POSITION of the BRITISH GARRISON at LUCKNOW. 1857. Surveyor-General's Office, Calcutta, December 1857. *Scale, 400 feet to 1 inch; size, 20 inches by 22.*

Another edition, lithographed by J. and C. Walker, London.

CAPTAIN LOCKHART'S POST, 78th Highlanders, at LUCKNOW. Surveyor-General's Office, Calcutta, December 1857. *Scale, 80 feet to 1 inch; size, 21 inches by 24.*

Plan A., showing, on a large scale, part of the BUILDINGS, GARDENS, WORKS, &c. of the CHUTTER MUNZIL at LUCKNOW. By Lieut. Wm. R. Moorsom, H. M.'s 52nd Light Infantry, Acting D. A. Q. M. G., Oude Field Force. Surveyor-General's Office, Calcutta, December 1857. *Scale, 60 feet to 1 inch; size, 22 inches by 30.*

Plan B., showing, on a small scale, relative positions of CHUTTUR MUNZIL PALACE and WORKS, BAILEY-GUARD, HERN-KHANA, STABLES, and ENGINE HOUSE at LUCKNOW. Surveyed by Lieut. Wm. R. Moorsom, H.M.'s 52nd Light Infantry, Acting D. A. Q. M. G. Oude Field Force. Surveyor-General's Office, Calcutta, December 1857. *Scale, 200 feet to 1 inch; size, 20 inches by 30.*

Another edition, lithographed by J. and C. Walker, London.

Plan B. (and B. 2), showing, on a small scale, the line by which the GARRISON at LUCKNOW were withdrawn on the night of the 22nd November, and the portion of the city in the enemy's hands on that date, together with the position of the guns and mortars bombarding the Kaiser Bagh on the 21st and 22nd November 1857. Surveyor-General's Office, Calcutta, January 1858. *Scale, 200 feet to 1 inch; size, 19 inches by 30.*

Another edition, lithographed by J. and C. Walker, London.

Plan showing ORIGINAL ENTRENCHMENTS at LUCKNOW, and works executed since 25th September 1857. Surveyor-General's Office, Calcutta, January 1858. *Scale, 400 feet to 1 inch; size, 16 inches by 13.*

General plan of the OPERATIONS at LUCKNOW in 1857. Surveyor-General's Office, Calcutta, January 1858. *Scale, 800 feet to 1 inch; size, 33 inches by 29.*

Another edition, lithographed by J. and C. Walker, London.

### *Lucknow Series.*

Nos. 3 and 4.

Nos. 1 and 2. Plan of the OPERATIONS against LUCKNOW during the month of March 1858, by the British Army, under the command of General Sir Colin Campbell, G.C.B., Commander-in-Chief in India. Surveyor-General's Office, Calcutta, April 1858. *Scale, 2 inches to 1 mile; size, 21 inches by 28.*

No. 5.

Plan of LUCKNOW, illustrating OPERATIONS under GENERAL SIR COLIN CAMPBELL, G.C.B., during March 1858. Surveyed and drawn by Lieuts. A. M. Lang, J. U. Champain, and D. Ward, Bengal Engineers, and Mr. J. May, Assist. Gen. Engineer, in accordance with Capt. Moorsom's original plan. To accompany the Chief Engineer's report of the siege operations. Surveyor-General's Office, Calcutta, April 1858. *Scale, 400 feet to 1 inch; on 4 sheets joined; size, 40 inches by 98.*

## No. 6.

Sketch showing the position of the **BRITISH FORCES** under the command of His Excellency **GENERAL SIR COLIN CAMPBELL, G.C.B.**, Commander in-Chief in India, on the 14th, 15th, 16th, and 17th November 1857, and during the relief of the Garrison of Lucknow, and the lines of advance and retirement of the British Army. Surveyor-General's Office, Calcutta, April 1858. *Scale, 800 feet to 1 inch ; size, 24 inches by 26.*

Plan of the **RESIDENCY** at **LUCKNOW**. (Signed) **W. A. Crommelin**, Major, Civil Engineer, Oudh. Surveyor-General's Office, Calcutta, May 1859. *Size, 20 inches by 16.*

*The War Department's Siege Map.*

Plan of **LUCKNOW** and **SURROUNDING COUNTRY**, taken from the most authentic sources. Lithographed and printed at the Topographical Depôt, War Department. *Scale, about 525 yards to 1 inch ; size, 33 inches by 27.*

Plan of **LUCKNOW**, plotted from a Survey made in 1856, by Lieut. Moorsom, 52nd Light Infantry. (Presented by Capt. Moorsom, C.E.) Topographical Depôt, War Department. *Scale, 12 inches to 1 mile ; size, 41 inches by 27.*

Plan of the **ENTRENCHED POSITION** of the **BRITISH GARRISON** at **LUCKNOW**. 1857. Topographical Depôt, War Department. *Scale, 400 feet to 1 inch ; size, 40 inches by 27.*

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Sketch of the **RESIDENCY** and **PALACE** at **LUCKNOW**. Published by James Wyld, London, 12th December 1857. *Size, 14 inches by 21.*

A later Edition of above Map. 30th March 1858. *Size, 17 inches by 24.*

3. *Unao District.*

Sketch Map of **OONAO DISTRICT**, shewing Rajpoot Colonies. Received from Revenue Department, November 1869. (No scale.) *Size, 27 inches by 33. MS.*

Map of **PERGUNNAHS BANGURMON, FUTTEHPOOR, ASENUN, &c., &c.**, District of Oudh. Received from Revenue Department, November 1869. (No scale.) *Size, 27 inches by 35. MS.*

**III. RAE BARELI DIVISION.**

Including the Districts of—1, Partabgarh ; 2, Rae Bareli ; 3, Sultanpur.

2. *Rae Bareli District.*

**CITY** of **ROY BAREILLY** ; **CANTONMENT** of **ROY BAREILLY**. 1862–3. *Scale of each, 10 chains to 1 inch ; on 1 sheet ; size, 27 inches by 38 ; price 2s.*

### 3. *Sultanpur District.*

CIVIL STATION of SOOLTANPOOR, with the Villages of Gora-barrack and Khyrabad. *Scale, 10 chains to 1 inch; size, 26 inches by 30; price 2s.*

## IV. SITAPUR DIVISION.

Including the Districts of—1, Hardoi; 2, Kheri; 3, Sitapur.

### 2. *Kheri District.*

Map of KHYREEGURH. *Scale, 8 miles to 1 inch; size, 11 inches by 14. MS. (No title.)*

Map of KHYREEGURH, &c. *Scale, 8 miles to 1 inch; size, 19 inches by 26. MS. (No title.)*

### 3. *Sitapur District.*

Cantonments and Environs of SEETAPORE (CHEETAPOOR). 1868-69. *Scale, 6 inches to 1 mile; on 4 sheets; size of each, 22 inches by 30; price 6s.*

Another edition on the scale of 8 inches to 1 mile. *On 6 sheets; size of each, 26 inches by 33.*

## IV. PUNJAB.

Including ten Divisions or Provinces; viz., Amritsar, Delhi, Derajat, Hissar, Jullundur, Lahore, Mooltan, Peshawar, Rawalpindi, Umballa; also several native principalities. (*See Contents.*)

### *General Maps.*

Map showing part of the TERRITORIES of the SIKHS. By Alexander Burnes, Assistant Resident, lately on a Mission to Lahore. December 1831. No title. *Size, 26 inches by 44. MS.*

Map of the NORTH-WESTERN FRONTIER of BRITISH INDIA, including the Protected Sikh States, Lahore, Cashmeer, Cabul, Heerat, Candahar, Shikarpore, and Bhawalpore; together with Sind and Rajpootana, the Indus River, and part of Beloochistan. Compiled from the best and most recent authorities, by J. B. Tassin. Calcutta, 1838. *Scale, 32 miles to 1 inch; in 4 sheets; size of 2 sheets each, 25 inches by 20; size of the other 2 sheets each, 8 inches by 20.*

Map showing the PROTECTED SIKH STATES, with a list of Chiefships, and their estimated Annual Revenues. Copied in the Surveyor-General's Office, Calcutta, November 1841. *Scale, 4 miles to 1 inch; size, 40 inches by 52. No title. Folded. MS.*

WYLD'S THEATRE of WAR in the PUNJAB. *Size, 16 inches by 20. Folded.*

Map of the SIKH TERRITORY and of the Protected Sikh States in the neighbourhood of the Sutluj River. Compiled chiefly from the surveys of Capt. Wade and Mr. N. Hodges, by order of the Court of Directors of the East India Company. By John Walker. 1846. *Size, 21 inches by 33. In a cover.*



Sketch Map of the PUNJAB and the SIKH TERRITORY. W. H. Allen & Co. 1846. *Size, 19 inches by 26. In a cover.*

Map showing the EXTENT of the SIKH TERRITORY at the death of Maharajah Runjeet Sing, and the Partitions effected by the Treaties between the British Government, Maharajah Dhuleep Sing, and Maharajah Gholab Sing. By John Walker. 1846. *Size, 14 inches by 18.*

Map of the PUNJAB and the SIKH TERRITORY. W. H. Allen & Co. 1849. *Size, 25 inches by 24. Folded.*

Another edition, 1851.

Map of the ALPINE PUNJAB, showing the various Hill States between the Indus and the Sutluj. By Alexander Cunningham, Brevet Major, Bengal Engineers. 1850. *Scale, 8 miles to 1 inch; in 2 sheets; size of each, 53 inches by 28. MS.*

Map of the WESTERN PROVINCES of HINDOOSTAN, the PUNJAB, RAJPOOTANA, SINDE, KABOOL, &c. Published by Wm. H. Allen and Co., London. June 1844. *Scale, about 22 miles to 1 inch; in 4 sheets, mounted together to fold; size, 50 inches by 52.*

Also the N.E. and S.E. sheets of a later edition, dated 1850.

Zimmermann's Map of the PUNJAB. See Atlas von Vorder Asien, p. 463.

Map of the PUNJAB, WESTERN HIMALAYA, and adjoining parts of THIBET, from recent surveys, and based upon the Trigonometrical Survey of India. Compiled by order of the Honourable Court of Directors of the East India Company, by John Walker, Geographer to the Company. First edition. London, 1854. *Scale, 16 miles to 1 inch; size, 26 inches by 40. Folded in a cover.*

The same, second edition. 1859. *Size, 34 inches by 40.*

Map of the PUNJAB and adjoining COUNTRIES, compiled from existing materials in the Office of the Surveyor-General of India. Calcutta, January 1854. *Scale, 16 miles to 1 inch; size, 40 inches by 39; price 8s.*

Route Map of the PUNJAB, showing the New Roads traced and constructed, and also the Baree Doab and Inundation Canals. Compiled and drawn by Lieut. C. W. Nightingale, Superintendent Punjab District Roads. February 1856. *Scale, 8 miles to 1 inch; size, 52 inches by 33. Mounted to fold.*

Sketch Map of the PUNJAB. No date, 1857? *Scale, 32 miles to 1 inch; 4 maps; size of each, 20 inches by 25.*

Map 1. Productiveness of cotton cultivated Lands.

Map 2. Cotton local supply, and surplus for export.

Map 3. Population of Punjab.

Map 4. Roads.

Sketch Map of the PUNJAB showing the position of Rukhs (woodlands in the plains) in each District. No date. *Scale, 8 miles to 1 inch; size, 54 inches by 63.*

To the Rt. Hon. Sir Henry Harding, Lieut.-Gen. G.C.B., Governor-General of India, this Map of the Routes through the Punjab and the adjoining states is dedicated by James Wyld. No date. *Size, 19 inches by 25. In a cover.*

**PUNJAB MAP** in eight sections. Compiled from the Topographical and Revenue Surveys, based on the Great Triangulation, and published under the direction of Colonel H. L. Thuillier, R.A., F.R.S., &c., Surveyor-General of India. Calcutta, 1866–68. *Scale, 8 miles to 1 inch; size of each section, 27 inches by 40; price 4s. each.* The following sections are published:—

- Section 1. Hazara, Yoosufzai, Peshawur, and Cabul.
- Section 2. Kohat, Delhra Ishmael Khan, Rawul Pindi, and Shahpoor.
- Section 3. Leia, Shum Plain, Jhung, Mooltan, and Bahawalpoor.
- Section 4. Mithankote, Jesulmeer, and Bikaneer.
- Section 5. Kashmir, Gilgit, Shadula, Pangong Lake.
- Section 6. Lahore, Poonch, Shipki, and Pangong Lake.
- Section 7. Jalindhur, Gurhwal, and Hissar.
- Section 8. Meerut, Delhi, Agra, Dholpoor, and Sambur Lake.

The **PUNJAB** and its **DEPENDENCIES**, with portions of the North-West Provinces and Afghanistan. Compiled in the Office of the Surveyor-General of India. From the latest Surveys. Second edition. 1870. *Scale, 16 miles to 1 inch; in 4 sheets; size, 46 inches by 34; price 8s.*  
*Also the Fifth Edition corrected up to 1875.*

## THE PUNJAB RIVERS.\*

### *Beas River.*

The **BEAS RIVER** in the **PUNJAB**. By Hermann de Schlagintweit. A view printed in colours. *Size, 9 inches by 18.*

### *Chittung and Ghaggar Rivers, &c.*

Survey of the **CHITTUNG NUDDEE** and **FEROZ SHAH'S CANAL**, from Hansee to Moonuk. By Lieut. John Colvin, Engineers. July, 1820. *Scale, 1 mile to 1 inch; in 3 sheets; size of each, 15 inches by 22. MS.*

Protraction Map of the **SURVEY** of the **ANCIENT BED** of the **CHITTUNG RIVER**, to the junction with that of the Ghughur River, and of the latter, eastward to Moonuk. Surveyed by Captain J. Colvin of Engineers, 1820–21. *Scale, 2 miles to 1 inch; in 3 sheets;*

*Sheet 1, size 28 inches by 41.*

„ 2 „ 29 „ 42.

„ 3 „ 30 „ 23. MSS.

Map of the **CANALS** from the **JUMNA**, in the **DELHI TERRITORY**. By John Colvin, Major, Superintendent of Canals, Delhi Territory and adjoining districts. Sept. 1832. *Scale, 4 miles to 1 inch; size, 31 inches by 49. MS.*

### *Chenab River.*

The **CHENAUB RIVER**, from **SEALKOTE** to the **JUNCTION** of the **JHELM**. Surveyed in the low season of 1853–54, by Lient. H. W. Grounds, Indian Navy. Assisted by Lient. W. Stroyan, Indian Navy. *Scale,  $\frac{1}{2}$  inch to 1,000 yards. Soundings in feet. In 4 sheets, of different sizes, about 24 inches by 36 each. MS.*

\* NOTE.—See also the Punjab Canals, pp. 138, 139.

The CHENAUB RIVER from the confluence of the JHELMUM to MOOLTAN. Surveyed in the low season of 1851-52, by Lieut. H. W. Grounds, *Scale, 4,000 yards to 1 inch; size, 35 inches by 26.* Mounted to fold in a case. MS.

Sketch of the CHENAUB, near CHUNDIOTE. *Scale, 2 inches to 1,000 yards.* Soundings in feet, taken on the 20th February 1854, by Lieut. H. W. Grounds, Indian Navy. MS.

A Report on the RIVER CHENAUB to accompany a chart. Signed H. W. Grounds, Lieut., Indian Navy. Foolscap, 15 pages. MS.

### *Jhelum River.*

The JHELMUM RIVER in the PUNJAB. By Hermann de Schlagintweit. A view printed in colours. *Size, 9 inches by 18.*

The JHELMUM RIVER, surveyed in the low season of 1851-2 by Lieut. H. W. Grounds, I.N. Sheet 1st, from Jhelum to Shahpoor; Sheet 2nd, from Shahpoor to the Junction (with the Chenab). *Scale, 4,000 yards to 1 inch; on 2 sheets; size of each, 35 inches by 26.* Mounted to fold in a case. MS.

### *Ravi River.*

Plan of Part of the RIVER RAVEE, showing Head and Line of proposed Canal. Surveyed by Lieut. J. Crofton and Mr. J. D. Smithe. January 1851. *Scale, 5 inches to 1 mile; size, 26 inches by 39.* MS.

### *Sutlej River.*

Journal of CAPTAIN C. M. WADE'S VOYAGE from LOODIANA to METHANKOT by the River Satlaj, on his mission to Lahor and Bahawalpur, in 1832-33. Foolscap, 158 pages. With lists of the Villages on both banks, their distance apart, castes of their inhabitants, and jurisdiction; the breadth of the river, rate of current, and soundings at successive stages; distances of principal towns; breadth of other rivers crossed by the Mission; depth of wells; and astronomical observations. Fcap., unbound. MS.

Field book of Survey from MUNDOTE near FERROZPOOR to SUKKUR, by Lieut. H. M. Duraud, Engineers. Dec. 2, 1838 to Jan. 13, 1839. Fcap., unbound. MS.

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### *Route Maps.*

ROUTE of the DETACHMENT proceeding with the HON. M. ELPHINSTONE, Envoy, from DELHI, towards PISHOUR (Peshawur) and CABUL, in 1808-9. By Lieut. R. Tickell, Engineers. *Scale, 4 miles to 1 inch; in 9 sheets.* MSS.

- No. 1. From Delhi to Chooroo. *Size, 21 inches by 36.*
- „ 2. From Chooroo to Bhowanipoore. *Size, 21 inches by 36.*
- „ 3. From Bhowanipore to Bahawalpore. *Size, 21 inches by 29.*

- No. 4. From Bahawalpore to Sultankote. *Size, 21 inches by 29.*  
 „ 5. From Sultankote to Dera Ishmail Khan. *Size, 21 inches by 14.*  
 „ 6. From Dera Ismail Khan, Peishowr to Tuthee. *Size, 40 inches by 24.*  
 „ 7. From Tuthee to Dowdie. *Size, 21 inches by 29.*  
 „ 8. From Dowdie to Loodianah. *Size, 21 inches by 29.*  
 „ 9. From Loodianah to Delhi. *Size, 41 inches by 29.*

ROUTE of COLONEL OCHTERLONY, from LODEANAH, down the HILL FRONTIER, &c., in November 1813. *Scale, 8 miles to 1 inch; size, 14 inches by 19.* MS.

ROUTE of the FIELD FORCE under BRIG. ARNOLD, C.B., on the BIKANEER FRONTIER, in August and September 1818. Surveyed by Lieuts. Colvin and Hutchinson. *Scale, 4 miles to 1 inch; size, 29 inches by 21.* MS.

A General Map of the ROUTES on the SIKH and BIKANEER FRONTIERS (unfinished), by Capt. John Colvin, Engineers, 1818. *Scale, 4 miles to 1 inch; size, 27 inches by 39.* MS.

BAHAWULPOOR to SUKKUR. Field Book by Lieut. Anderson. 1838. Folio.

ROUTE from CHUK on the JELLUM RIVER to PESHAWUR, marched by the Bombay division. Reduced from the original survey, by Captain J. Ramsay, Deputy Quartermaster-General, Field Force, 1849. *Scale, 4 miles to 1 inch; size, 38 inches by 19.* MS.

With descriptive notes of the route.

ROUTE from MOOLTAN to LIEA, viâ Raj Ghaut and Dara Dinpunah. Surveyed by P. Guide Luximan Jadon, during the month of July 1849. *Scale, 1 mile to 1 inch; size, 16 inches by 68.* MS.

ROUTE from MOOLTAN to RAMNUGGUR, and thence to the JHELM RIVER, followed by the Bombay Division of the army of the Punjab, February 1849. *Scale, 2 miles to 1 inch; size, 115 inches by about 27.* MS.

ROUTE from MOOLTAN to NUSSEERABAD, viâ Bhawalpoor, Suratchur, Sirsa, and Hansi. Surveyed during the months of January, February, and March, 1850, by Mahomed Khan, Draftsman, and P. G. Hurree Sing. With a report on the halting places, &c. *Scale, 1 mile to 1 inch; in 9 sheets; size of each, about 64 inches by 15.* MS.

Field Book of a SURVEY from MUNDOTE near FEROPPOOR to SUKKUR, by Lieut. H. M. Durand, Engineers. Foolscap folio, unbound. MS.

ROUTE SURVEY from DEHRA ISHMAEL KHAN to TREMOO GHAT. Surveyed by Lieut. C. W. Nightingale, 1852. *Scale, 2 miles to 1 inch; size, 48 inches by 13.* MS.

ROUTE SURVEY from PIND DADUN KHAN to RAMNUGGUR, showing the tracing of New Road. August 18th, 1853. *Scale, 2 miles to 1 inch; size, 10 inches by 26.* MS.

### *Roads.*

Map of the GRAND TRUNK ROAD from the KARAMNASSA to the SUTLEDGE. 1851. In two parts, exhibiting the Staging Bungalows, Encamping Grounds, Dak and Overseers' Choukies, Post Office Thannahs and Tuhseeldaries. Compiled by order of the Lieut. Governor of the North-Western

Provinces in the office of the Superintendent of the Grand Trunk Road, by Charles Joseph. *Scale, 4 miles to 1 inch; the western part wanting; size of the remainder, feet by 8.*

Rough Sketch of the HINDOSTAN and THIBET ROAD (from Dugshai and Simla to Chini), by D. Briggs, Superintendent. *Scale, 1 mile to 1 inch; size, 26 inches by 97. MS.*

DISTRICTS ROADS. WUZEERABAD to CHUNEOUT. Along the Chenab River, chiefly in Goojuruwalla District. *Scale, 2 miles to 1 inch; size, 46 inches by 11. MS.*

## PUNJAB CAMPAIGNS.

### *Battles on the Sutlej.*

A Sketch Map of the SCENE of OPERATIONS of the BRITISH ARMY on the SUTLEJ, under the personal command of General Sir H. Gough, Bart., G.C.B., Commander-in-Chief, &c., &c., against the Sikh forces, in 1845 and 1846. Compiled by Lieut.-Col. W. Garden, C.B., Quartermaster-General of the Army. *Scale, 1 mile to 1 inch; on 12 sheets, including an Index Map; size of each, 20 inches by 27.*

Presented to the Hon. the Court of Directors by General Lord Gough, G.C.B., Commander-in-Chief in India, in a handsomely bound portfolio. *Size, 28 inches by 21.*

A Sketch of the SCENE of OPERATIONS of the BRITISH ARMY on the SUTLEJ, under the personal command of General Sir Hugh Gough, Bart., G.C.B., Commander-in-Chief, &c., &c., against the Sikh forces, in 1845 and 1846, together with plans of the Battles of Moodkee, Ferozshuhur, Aliwal, and Sobraon, and of Lahore, and its environs. Compiled by Lieut.-Col. W. Garden, C.B., Quartermaster-General of the Army. *Scale, 4 miles to 1 inch; size, 40 inches by 27; price 4s.*

Position of the ARMY of the SUTLEJ, January 19th, 1846. *Scale, about 5 miles to 1 inch; size, 13 inches by 15.*

Plan of the BATTLE of SOBRAON, fought on the 10th February 1846, by the British Army, under the personal command of General Sir Hugh Gough, Bart., G.C.B., with the Sikh forces, entrenched on the Sutledge. Surveyed by Capt. Baker, Lieuts. Strachey and Hodgson, Bengal Engineers. *Scale, 4 inches to 1 mile; size, 15 inches by 21.*

Plan of the BATTLE of ULEEWAL, 28th January 1846, by Lieut. R. Strachey, Engineers. *Size, 15 inches by 19.*

### *Battles on the Chenab.*

Sketch of the ACTION at SADOOLAWALAH, between a portion of the Sikh Army and the right column of the army of the Punjab, under the command of Major-General Sir Joseph Thackwell, K.C.B. and K.H. 3rd December 1848. *Scale, about 3½ inches to 1 mile; size, 14 inches by 20.*

Sketch of the ACTION at GOOJERAT, 21st February 1849. *Scale, about 1½ miles to 1 inch; size, 17 inches by 12.* Published by James Wyld, London.

Sketch of the BATTLE of GOOJERAT, 21st February 1849.  
*Scale,  $1\frac{3}{4}$  inches to 1 mile; size, 19 inches by 15.* Examiners Lithographic Department.

*Battles on the Jhelum.*

Plan of the BATTLE of CHILLIANWALA, between two divisions of the Army of the Punjab under General Lord Gough, G.C.B., and the Sikh Army under Raja Shere Singh, on the 13th January 1849. From a survey and sketch by Bt.-Major A. Cunningham. *Scale, about  $1\frac{3}{4}$  miles to 1 inch; size, 20 inches by 27.*

BATTLE of the JHELM (Chillianwala) in two plans, marked Nos. 1, 2. *Size of each, 11 inches by 15.*

Plan of the BATTLE of CHILLIANWALLAH. *Scale,  $1\frac{1}{4}$  miles to 1 inch; size, 11 inches by 15.* No title.

Sketch of the POSITIONS of the TWO ARMIES at CHILLIANWALLA. *Size, 11 inches by 15.* No title.

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## PUNJAB FRONTIERS.

### *North-west Frontier.*

Map of the COUNTRIES on the NORTH-WEST FRONTIER of INDIA, compiled from various documents by John Walker, Geographer to the Honble. East India Company. No date, about 1835. *Size, 50 inches by 43.*

Map of the COUNTRIES on the NORTH-WEST FRONTIER of INDIA. Compiled chiefly from the surveys of Lieut. J. Wood, Indian Navy; Major R. Leech, of the Engineers on the Bombay Establishment; and from surveyed routes received by the Court of Directors from the Government of Bombay. By John Walker, Geographer to the East India Company. London, 1841. *Scale, 20 miles to 1 inch; size, 52 inches by 40.*

Also, the Second edition, 1842, with an insertion in the title after Bombay—"executed under the superintendence of Lieut.-Col. Neil " Campbell, Quartermaster-General of that establishment."

Also, the last edition, dated 1844. Folded in 8vo.

MILITARY SURVEY of the NORTHERN TRANS-INDUS FRONTIER, by Lieut. J. T. Walker, Bombay Engineers, in 1849-50-51-52. *Scale, 2 miles to 1 inch; size, 37 inches by 54.*

Map No. 2 of a MILITARY SURVEY of the NORTHERN TRANS-INDUS FRONTIER, by Lieut. J. T. Walker, Bombay Engineers, season 1851-52. *Scale, 2 miles to 1 inch; size, 24 inches by 55.*

*Note.*—This map forms a continuation of Lieut. Walker's lithographed map of the Northern Trans-Indus Frontier. All to the south of the latitude of Peshawur which appeared on that map has been revised.

Map No. 3. NORTHERN TRANS-INDUS FRONTIER, by Lieut. J. T. Walker, Bombay Engineer. Season 1852-53. *Scale, 2 miles to 1 inch; in 2 sheets; size, 35 inches by 47.*

Map No. 4. **NORTHERN TRANS-INDUS FRONTIER**, by Lieut. J. T. Walker, Bombay Engineers. Season 1852-53. *Scale, 2 miles to 1 inch ; in 2 sheets ; size, 28 inches by 45.*

The **NORTHERN TRANS-INDUS FRONTIER**, comprising the Districts of Peshawur, Kohat, and Bunnoo, with sketch of adjoining tracts from the Military Surveys executed in 1850-54 by Lieut. J. T. Walker, Bombay Engineers, 1st Assistant G. T. Survey, with other materials. Compiled on the basis of the G. T. Survey, in the Office of the Surveyor-General of India. July, 1856. *Scale, 4 miles to 1 inch ; in sheets ; southern sheet only ; size, 30 inches by 57.* MS.

Some account of the **SURVEY** of the **NORTHERN TRANS-INDUS FRONTIER**, from Peshawur to Deyra Ismael Khan, in 1849-53, by Lieut. Walker, Bombay Engineers. Foolscap, 28 pages. MS.

Sketch Map of the **NORTH-WEST FRONTIER** adjoining District **PESHAWAR**, from Fort Abazai to Fort Maekeson. 1869-70. *Scale, 2 miles to 1 inch ; size, 40 inches by 27 ; price, 3s.*

**UPPER and LOWER SUWAT** and the **KOHISTAN** to the source of the **SUWAT RIVER**. By Capt. H. G. Raverty. 1862. *Scale, 6 miles to 1 inch ; size, 32 inches by 20.*

Sketch of country from **SHIRDARRA** to **MULKA**, illustrating the operations of the Yusufzai Field Force in December 1863. S. G. O., Calcutta, May 1874. *Scale, 4 miles to 1 inch ; size, 10 inches by 14.*

Rough Sketch of the **DRAINAGE** of **GILGIT** and adjacent Countries. Compiled \* \* by Capt. T. G. Montgomerie, Engineers. 1861. *Scale, 32 miles to 1 inch ; size, 10 inches by 17.*

**COUNTRY** between **ATTOCK** and **RAWUL PINDEE**, comprising the field of operations of the Camp of Exercise, 1872-73. *Scale, 1 inch to 1 mile ; on 4 sheets ; size of each, 40 inches by 28.*

\* \* \* Containing parts of Hazara and Rawul Pindie Districts.

Also, a larger edition. *Scale, 2 inches to 1 mile ; on 9 sheets ; size of each, 28 inches by 40.*

Also, a smaller edition. *Scale, 2 miles to 1 inch ; size, 20 inches by 36.* In a cover.

**COUNTRY** round **RAWUL PINDEE**. Camp of Exercise, 1872-73. *Scale, 4 miles to 1 inch ; size, 27 inches by 36.* In a cover.

\* \* \* Containing parts of Districts Hazara, Peshawur, Rawal Pindie, Jhelam, &c.

**COUNTRY** round **HUSSUN ABDAL**, comprising the field of operations of the Camp of Exercise, 1872-73. *Scale, 1 mile to 1 inch ; size, 27 inches by 38.* In a cover.

\* \* \* Containing parts of Districts Hazara and Rawul Pindie.

Sketch Map of the **NORTH-WEST FRONTIER** of the **PUNJAB**, illustrating the Political Relations of the British Government with the dependent and independent tribes. Calcutta, 1866. *Scale, 16 miles to 1 inch ; size, 34 inches by 26 ; price 3s.*

The **NORTH-WESTERN FRONTIER** of the **PUNJAB**. 1876. Compiled in the Office of the Surveyor-General of India, Calcutta. *Scale, 16 miles to 1 inch ; size, 44 inches by 36.*

*North-East Punjab, and Garhwal N.W.P.*

Topographical Survey of PART of the HIMALAYA MOUNTAINS and adjacent PLAINS, on the basis of the Great Trigonometrical Survey of India, North-west Himalaya Series. In 14 sections, each comprising a square degree. *Scale, 4 miles to 1 inch.* Surveyed during the years 1848 to 1854, under the superintendence of Lieut.-Col. A. S. Wagh, Engineer, F.R.S., F.R.G.S., Honorary Associate of the Berlin Geographical Society, Surveyor-General of India, and Superintendent G. T. Survey, by the surveyors and assistant surveyors whose names are recorded on the sheets. 1860. *On 15 sheets, including Title and Index Map; size of each, 24 inches by 21; price 30s., also half-bound in one vol., 40s.*

The SUB-HIMALAYAN COUNTRY between the rivers GANGES and RAVEE. *Scale, 8 miles to 1 inch; size, 27 inches by 24; price 4s.*

The TEA LOCALITIES (Plantations) in the PUNJAB and NORTH-WEST PROVINCES. Compiled from information furnished by Dr. Jameson, Superintendent of Government Botanical and Tea Gardens. 1862. *Scale, 16 miles to 1 inch; size, 32 inches by 10; price 4s.*

*South-Eastern Punjab.*

The UMBALLA, DELHIE, and HISSAR DIVISIONS. Comprising the Districts of Umballa, Loodheanuh, Simla, Delhie, Karnal, Goorgaon, Hissar, Sirsar, Rohtuk. The native States of Puttecaluh, Jheendh, Sirmoor, Nabha, Loharoo, &c. Showing also the adjoining District of Ferozepoor, and portions of Lahore, Jallindhur, and Googaira. 1868. *Scale, 4 miles to 1 inch; on 6 sheets; size, 62 inches by 66; price 12s.*

COUNTRY ROUND DELHI. (Published for the use of the Army at the Camp of Exercise, December 1871.) Compiled in the Office of the Surveyor-General of India, Calcutta. *Scale, 2 miles to 1 inch; size, 34 inches by 32; price 4s.*

\* \* \* Containing parts of the Districts of Delhi, Goorgaon, and Rohtuk, in the Punjab; and of Meerut and Boolundshuhur in the North-West Provinces.

## I. AMRITSAR DIVISION.

Including the Districts of—1, Amritsar; 2, Gurdaspur; 3, Sialkot.

*General Map.*

Map of the UMRITSUR (Amritsir) DIVISION, shewing—  
I. General Features, Hill and Plain. II. Rivers, Streams, and Canal. III. Rail way and Roads of every class. IV. Ferries and Bridges. V. Rest Houses and Encamping Ground. VI. Sites of Tehseel and Police Offices. VII. Limits of Fiseal and Civil Divisions. With an account of the places of Interest in the Plains and an explanation of the Hill Division. These details are from a map prepared by F. A. Prinsep, Deputy Commissioner of Sealkote, 1863. *Scale, 4 miles to 1 inch; size, 32 inches by 30; price 4s.*

LAHORE DIVISION comprising the Districts of Goordaspoor, Umritsur, Lahore, Sealkote, and Goojranwaluh, Punjab Proper. 1850 to 1855. *Scale, 4 miles to 1 inch; size, 48 inches by 48. MS.*

The same, lithographed and published. *Price 8s.*

\* \* \* This map now represents chiefly Amritsir Division, and besides only two-thirds of Lahore Division.



*District Maps.*1. *Amritsar District.*

DISTRICT UMRITSUR (Amritsir) Punjab Proper. 1850 to 1853.  
*Scale, 2 miles to 1 inch ; size, 45 inches by 37 ; price 6s.*

CANTONMENT and ENVIRONS of UMRITSUR. 1868-69.  
*Scale, 6 inches to 1 mile ; on 2 sheets ; size of each, 22 inches by 40 ; price 6s.*

2. *Gurdaspur District.*

DISTRICT GOORDASPOOR, Punjab Proper. 1850 to 1852.  
*Scale, 2 miles to 1 inch ; size, 38 inches by 28 ; price 6s.*

GOORDASPOOR DISTRICT, Punjab Proper. *Scale, 1 mile to 1 inch ; on 6 sheets ; size of each, 40 inches by 27 ; price 12s.*

Map of PURGUNNAH BUTALA, District GOORDASPOOR. Surveyed by Lieut. J. W. B. Blgrave, R.S. Seasons 1850, '51, and '52.  
*Scale, 1 mile to 1 inch ; on 4 sheets ; size of each, 24 inches by 26 ; price 5s.*

3. *Sialkot District.*

DISTRICT SEEALKOT, Punjab Proper. 1851 to 1853. *Scale, 2 miles to 1 inch ; size, 34 inches by 31 ; price 6s.*

CANTONMENT of SEEALKOT. 1853-54. *Scale, 8 inches to 1 mile ; size, 27 inches by 38.*

CANTONMENT and ENVIRONS of SEEALKOTE. 1868-69.  
*Scale, 6 inches to 1 mile ; on 6 sheets ; size of each, 22 inches by 30 ; price, 12s.*

CANTONMENT and ENVIRONS of SEEALKOTE. 1868-69.  
*Scale, 12 inches to 1 mile ; on 15 sheets ; size of each, 27 inches by 40.*

SEALKOTE BARRACKS. 1. Infantry Lines, 18 sections ; 2. Artillery Lines, 8 sections.

Report on the REVISED SETTLEMENT of SEALKOTE DISTRICT in the Amritsir Division, effected by E. A. Prinsep, Esq. Lahore, 1865. Vol. I. Fcap. folio, boards. Accompanied by :—

PUNJAB. STATISTICAL ACCOUNT of the SEALKOTE DISTRICT, geographically sketched by Edward A. Prinsep, B.C.S., Settlement Officer in the years 1855 to 1860. Sixteen maps, with explanatory remarks. Vol. II. Demy folio, boards.

1. Distribution of Agricultural Tribes according to ownership and occupancy of Land.
2. Political Divisions and Past Fiscal Administration.
3. Rent-free Holdings and Principal Jaghiredars.
4. Physical features and zones of Fertility.
5. Productiveness as influenced by Rain, Irrigation, etc.
6. Soils and circles of Varying Fertility.
7. Variety of Produce.
8. Range of Prices and principal Markets.
9. Pressure and Working of the Settlement.

10. Deduced rates and estimates adopted in fixing the Assessment.
11. Circles of Assessment and fiscal results of Revised Settlement.
12. Fiscal Divisions.
13. Police Divisions.
14. Roads and Lines of Traffic.
15. Statistical Aspects of Area, Agriculture, and Population.
16. Prevailing Tenures and modes of Village Assessment.

## II. DELHI DIVISION.

Including the Districts of—1, Delhi; 2, Gurgaon; and 3, Karnal.

### 1. *Delhi District.*

Map of the DISTRICT of DEHLEE, surveyed by Captains T. Oliver, J. H. Simmonds; including the Jageer of Balubgnrh, by Captain W. Brown. Reduced and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W.P. (1840). *Scale, 4 miles to 1 inch; size, 21 inches by 22.*

Map of the DISTRICT of DIHLEE, surveyed by Captains T. Oliver, J. H. Simmonds, and W. Brown, Revenue Surveyors in 1824, '25, '26, '30, '31, '32, and '40. Re-compiled in the Surveyor-General's Office, Calcutta, 1848. *Scale, 4 miles to 1 inch; size, 25 inches by 20.* Lithograph.

DISTRICT DELHI. 1872–74. Surveyed by Capt. W. H. Wilkins, Officiating Deputy Superintendent and Assistants. *Scale, 1 mile to 1 inch; on 7 sheets.* Only 6 sheets are published.

Trigonometrical Survey of the ENVIRONS of DELHY or SHAH JEHANABAD. 1808. *Scale, 2 miles to 1 inch; size, 24 inches by 18.* MS.

DELHI (Plan of the City). A Native Map, with names in the vernacular character. *Size, 41 inches by 45.* No title. MS.

The FORT and CANTONMENT of DELHI. Taken from Lieut. Burgess's Survey of 1849–50. *Scale,  $\frac{1}{4}$  mile to 1 inch; size, 22 inches by 15.* Lithograph.

The FORT and CANTONMENT of DELHI. Taken from Lieut. Burgess's Survey of 1849–50, with additions from other records. The Batteries showing the attack on the Fort taken from a plan signed A. Becher, Colonel, Quartermaster-General of the Army, 9th November 1857. *Scale,  $\frac{1}{4}$  mile to 1 inch; size, 24 inches by 20.* Surveyor-General's Office, Calcutta, 1857.

Plan of DELHI. Copied and zincographed at the Ordnance Survey Office, Southampton, from a MS. plan in the possession of Colonel Edward Hervey, Unattached, August 3rd, 1857. *Scale, 200 yards to 1 inch; size, 28 inches by 33.*

DELHI. 1857. *Scale,  $\frac{1}{2}$  mile to 1 inch; size, 9 inches by 15.* Published by W. H. Allen and Co., London.

DELHI and its ENVIRONS during the Siege, 1857, showing the position of the British Batteries on 11th September. No title. *Scale, 1 mile to 2 inches; size, 17 inches by 23.* MS. tracing.

Country round DELHI. 1875. Compiled in the Office of the Surveyor-General of India, Calcutta, from the Revenue Survey Sheets of the Delhi District, surveyed in 1872-4. *Scale, 1 mile to 1 inch; size, 35 inches by 40.* Folded in a cover.

The same reduced to 2 miles to 1 inch; size, 20 inches by 20. Folded in a cover.

CANTONMENT, CITY, and ENVIRONS of DELHI. 1867-8. *Scale, 6 inches to 1 mile; on 4 sheets; size, 50 inches by 32; price 8s.*

CANTONMENT, CITY, and ENVIRONS of DELHI. 1867-68. *Scale, 12 inches to 1 mile; on 8 sheets; size of each, 26 inches by 34.*

DELHI BARRACKS:—1. Artillery and Infantry Barracks, on 2 sheets; 2. Artillery and Infantry Barracks, on 4 sheets; 3. Batteries and proposed Officers' Quarters.

### 2. Gurgaon District.

Map of the DISTRICT of GOORGAON, surveyed by Captains T. Oliver, J. H. Simmonds, and W. Brown. Compiled and lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W.P., Allahabad, 15th December 1840. *Scale, 4 miles to 1 inch; size, 19 inches by 24.*

Map of the DISTRICT of GOORGAON, surveyed by Captains T. Oliver, J. H. Simmonds, and W. Brown, Revenue Surveyors, in 1828, '29, '30, '31, '32, '38, and '40. Re-compiled in the Surveyor-General's Office, Calcutta, 1848. *Scale, 4 miles to 1 inch; size, 20 inches by 26.*

### 3. Karnal District.

Map of the DISTRICT of PANEEPUR,\* surveyed by Captain T. Oliver. Reduced and lithographed in the Superintendent of Revenue Surveys' Office, under the orders of H. M. Elliot, Esq., Secretary to the Board of Revenue, N.W.P. *Scale, 4 miles to 1 inch; size, 19 inches by 19.* No date.

Map of the DISTRICT of PANEEPUR\* surveyed by Captains T. Oliver and J. H. Simmonds, Revenue Surveyors, in 1822 to '28, and 1832 to '33. Re-compiled in the Surveyor-General's Office, Calcutta, 1848. *Scale, 4 miles to 1 inch; size, 26 inches by 20.*

KURNAL, CITY, CIVIL STATION, OLD CANTONMENT, and ENVIRONS. 1871-72. *Scale, 6 inches to 1 mile; on 2 sheets; size of each, 40 inches by 27.*

## III. DERAJAT DIVISION.

Including the Districts of—1, Bannu; 2, Dera Ghazi Khan; 3, Dera Ismail Khan.

### 1, 3. Bannu and Dera Ismail Khan Districts.

DISTRICTS BUNNOO and DERAH ISHMAEL KHAN, with the Kabul Kheyl and Mahsood Wuzeree Hills, Upper Derahjat. 1856 to 1861. With a table of latitudes, longitudes, and heights of stations; also topographical notes. *Scale, 4 miles to 1 inch; size, 60 inches by 43.* MS.

The same, lithographed and published. *Price 12s.*

\* Now divided between Delhi and Karnal.

Plan of BUNNOO, showing the attack on the Fort of Lukkee. No title or scale, or date. *Size, 14 inches by 13.*

A Sketch Map and MEMOIR of BUNNOO in 1853. By Lieut. Sykes, 2nd Punjab Infantry. Foolseap. MS.

STATION and CITY of BUNNOO. 1860-61. *Scale, 10 chains to 1 inch; size, 28 inches by 36.*

Part of the DERAJAT between KHURRUK and DERAH ISHMAIL KHAN, showing the position which a force should occupy to protect the Derajat. No title, scale, or date. *Size, 14 inches by 13.*

CITY and CANTONMENTS of DERAH ISHMAEL KHAN. 1859-60. *Scale, 8 inches to 1 mile; size, 27 inches by 36.*

## 2. Dera Ghazi Khan District.

DISTRICT DERA GHAZEE KHAN, Lower Derajat. 1856 to 1859. With a table of latitudes, longitudes, and heights of stations and peaks; also topographical notes. *Scale, 4 miles to 1 inch; size, 63 inches by 38.* MS.

The same, lithographed and published. *Price 12s.*

DISTRICT DERAH GHAZI KHAN. Punjab Revenue Survey. *Scale, 1 mile to 1 inch; to be completed in 21 sheets, of which sheets 1, 2, 3, 4, 4a, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, are published; size of each, 40 inches by 27.* With an Index Map.

CANTONMENT and CITY of DERAH GHAZEE KHAN. 1858-59. *Scale, 10 Gunter's chains to 1 inch; size, 24 inches by 32.*

Plan of DERAH GHAZI KHAN, CANTONMENT, CITY, and ENVIRONS. 1872-73. *Scale, 6 inches to 1 mile; on 2 sheets; size of each, 26 inches by 34.*

## IV. HISSAR DIVISION.

Including the Districts of—1, Hissar; 2, Rohtak; 3, Sirsa.

### *General Map.*

Map of the following NATIVE STATES near DELHI, viz., Jhugghur, Dadree, Buhadurgurh, Patoudee, Loharoo, Bullumghur, Kote-Qasim Dajana, Furrueknuggur, Seekree; with a table showing the area, annual revenue, and population of each. Calcutta, 1842. *Scale, 4 miles to 1 inch; size, 26 inches by 30.* MS.

\* ~ Now in the Divisions of Hissar and Delhi.

### 1. Hissar District.

Map of the DISTRICT of HURRIANA, surveyed by Capt. W. Brown. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W.P. No date. *Scale, 4 miles to 1 inch; size, 25 inches by 23.*

Map of the DISTRICT of HURRIANA, surveyed by Captains J. H. Simmonds and W. Brown, Revenue Surveyors, in 1832, '33, '37, and '38. Re-compiled in the Surveyor-General's Office, Calcutta, 1848. *Scale, 4 miles to 1 inch; size, 30 inches by 24.*

Report on the Revised Land Revenue Settlement of the HISSAR DISTRICT, in the Hissar Division of the Panjab, effected by Munshi Amin Chand, Extra Assistant Commissioner. Lahore, 1875. Royal 8vo., cloth. With a Map.

### 2. Rohtak District.

Map of the DISTRICT of ROHTUK, surveyed by Captains T. Oliver and J. H. Simmonds, Revenue Surveyors, in 1823, '24, '26, '27, '31, and '32. Re-compiled in the Surveyor-General's Office, Calcutta, 1848. *Scale, 4 miles to 1 inch; size, 22 inches by 26.*

### 3. Sirsa District.

Map of the DISTRICT of BHUTTEEANNA, surveyed by Capt. W. Brown. Lithographed in the Superintendent of Revenue Survey's Office, under the orders of H. M. Elliot, Esq., Secretary to the Sudder Board of Revenue, N.W.P. No date. *Scale, 4 miles to 1 inch; in 2 sheets; size of each, 26 inches by 18.*

## V. JULLUNDUR DIVISION.

Including the Districts of—1, Hoshiarpur; 2, Jullundur; and 3, Kangra; with the Sub-Districts of Kullu, Lahul, and Spiti.

### *General Map.*

The TRANS-SUTLEJ (now JULINDER) DIVISION, comprising the Districts of Jalundhur (Julinder), Hoshiarpur, and Kangra. 1847 to 1852. *Scale, 4 miles to 1 inch; size, 33 inches by 36; price 8s.*

The JALUNDHUR DOOAB, comprising the Districts of Jalundhur, Hoshiarpur, and Kangra. 1847 to 1852. *Scale, 4 miles to 1 inch; size, 34 inches by 35. MS.*

### 1. Hoshiarpur District.

Map of the DISTRICT of HOSHIYARPOOR, surveyed by Lieuts. W. C. Hutchinson and T. C. Blagrave, Revenue Surveyors, in 1847, '48, and '49. *Scale, 2 miles to 1 inch; size, 47 inches by 40; price 4s.*

### 2. Jullundur District.

Map of the DISTRICT of JALINDHUR (Julinder), surveyed by Lieut. J. R. Beeher, W. C. Hutchinson, and T. C. Blagrave, Revenue Surveyors, in 1846, '47, '48. *Scale, 2 miles to 1 inch; size, 30 inches by 40; price 4s.*

CANTONMENTS of JALINDHUR. 1850. *Scale, 8 inches to 1 mile; size, 27 inches by 30.*

CANTONMENT and ENVIRONS of JALINDHUR (Julinder). 1868-69. *Scale, 6 inches to 1 mile; on 6 sheets; size of each, 24 inches by 30; price 10s.*

CANTONMENT and ENVIRONS of JALINDHUR. 1868–69.

*Scale, 12 inches to 1 mile; on 12 sheets; size of each, 28 inches by 40.*

CANTONMENT and ENVIRONS of PHILOR. 1869–70.

*Scale, 6 inches to 1 mile; size, 36 inches by 42; price 4s.*

CANTONMENT and ENVIRONS of PHILOR. 1869–70.

*Scale, 12 inches to 1 mile; on 6 sheets; size of each, 28 inches by 40.*

JULLUNDAR BARRACKS, PUNJAB:—

1. Artillery Lines, on 6 sheets.
2. Plan of B. I. Lines, 12 sheets.
3. Native Cavalry, 2 sheets.
4. Native Infantry Lines, 4 sheets.

### 3. Kangra District.

DISTRICT KANGRA. 1847–52. With a Table of Latitudes, Longitudes, and Heights of G. P. S. Stations. *Scale, 2 miles to 1 inch; size, 46 inches by 50; price 8s.*

\* \* \* This map omits Kullu, Lahul, and Spiti.

A map of KANGRA DISTRICT, including KULLU, LAHUL, and SPITI, composed of the sheets of the Indian Atlas, mounted together and coloured to show the sub-districts. *Scale, 4 miles to 1 inch; size, 85 inches by 50.*

REPORT on the LAND REVENUE SETTLEMENTS of the KANGRA DISTRICT, Panjab. By J. B. Lyall, Esq., B.C.S. 1865–72. Lahore, 1874. 8vo., cloth.

## VI. LAHORE DIVISION.

Including the Districts of—1, Ferozepore; 2, Gujranwala; and 3, Lahore.

*Lahore Division, General Maps. See Amritsir.*

### 1. Ferozepore District.

DISTRICT FEROZEPOOR. Surveyed in 1849 to 53 and 1862–63, with corrections to 1870. *Scale, 2 miles to 1 inch; on 4 sheets; size of each, 25 inches by 29.*

CANTONMENT and ENVIRONS of FEROZEPOOR. 1868, '69. *Scale, 6 inches to 1 mile; on 4 sheets; size, 62 inches by 50; price 8s.*

FEROZEPOOR BARRACKS, &c., PUNJAB:—

1. Arsenal, 8 sections.
2. New Royal Artillery Lines and Old Entrenchment, 12 sections.
3. Old Royal Artillery Lines, 12 sections.
4. British Infantry Lines, 20 sections.

### 2. Gujranwala District.

DISTRICT GOOJRANWALUH, Punjab Proper. 1852 to 1855. *Scale, 2 miles to 1 inch; size, 40 inches by 40; price 4s.*

The same, corrected to 1870. *Price 6s.*

**REPORT on the Revision of the LAND REVENUE SETTLEMENT of the GUJRANWALLA DISTRICT.** Effected by Lieut. R. P. Nisbet, Assist. Settlement Commissioner, in the years 1866 and 1867. Lahore, 1874. Royal 8vo., cloth.

Maps connected with the foregoing Report. 20 maps, folio, half-cloth. Contents:—

Depth of Wells, Rainfall, &c. for Tehseel Gujranwala.

” ” ” Wuzeerabad.

” ” ” Hafizabad.

1. Distribution of Agricultural Tribes.
2. Political Divisions and History.
3. Present aspect of Revenue-free Holdings.
4. Physical Features and Geography.
5. Irrigated Condition and Productive Capacity.
6. Statistics of Area under different kinds of soil.
7. ” ” ” Articles of Produce.
8. Statistics of Area, Agriculture, and Population.
9. Pressure and working of the last settlement.
10. The Rates and deduced Estimate of Revised Settlement (Assessment Chapter).
11. Fiscal Results of Revised Settlement.
12. Fiscal divisions of the District.
13. Police Divisions.
14. The Roads and Lines of Traffic, Encamping Grounds, Rest-houses, and Ferries.
15. The locality of Schools.
16. The locality of Rakhs or Government Grass Preserves.
17. Tenures and prevailing Modes of Assessment.

### 3. *Lahore District.*

**DISTRICT of LAHORE, Punjab Proper.** 1851 to 1853. *Scale, 2 miles to 1 inch; size, 54 inches by 48; price 8s.*

**Report on the Revised Land Revenue Settlement of the LAHORE DISTRICT, in the LAHORE DIVISION of the PANJAB,** effected by Leslie S. Saunders, Esq., B.C.S. 1865-69. Lahore, 1873. Royal 8vo., cloth.

Maps connected with the foregoing Report. 18 maps, folio, half-cloth. Contents:—

Map of the City of Lahore and its Suburbs.

1. Distribution of Agricultural Tribes according to ownership and occupancy of Land.
2. Political Divisions and past Fiscal Administration.
3. Rent-free Holdings and principal Jaghirdars.
4. Physical Features and Zones of Fertility.
5. Irrigation by the Baree Doab and other canals.
6. The different soils and circles of varying fertility, as adopted for purposes of taxation.
7. Arcas under different kinds of Produce.
8. Productive power as influenced by Rain, Irrigation, &c.
9. Deduced Rates and Estimates, adopted in fixing the Revised Assessment.
10. Circles of Assessment and Fiscal Results of the Revised Settlement.
11. Police Divisions.
12. Roads and Lines of Traffic.
13. Statistical aspects of Area, Agriculture and Population.
14. Prevailing tenures and modes of internal assessment.
15. Zaildari sub-divisions.
16. Village Schools.
17. Rakhs or Government Grass Preserves.

In one volume, fcap. folio, half-cloth.

Plan of the CITY of LAHORE. By G. B. Tremenheere, Captain Superintending, Engineers. Lahore, 1848. *Size, 20 inches by 15.*

Plan of the CITY and ENVIRONS of LAHORE, showing the Civil Station of Anarkullee and the Cantonment of Meean Meer. *Scale, 880 feet to 1 inch (or 6 inches to 1 mile); on 6 sheets; size of each, 23 inches by 34; price 10s.*

——— Smaller edition. *Scale, 3 inches to 1 mile; size, 33 inches by 36; price 4s.*

### MEEAN MEER BARRACKS, LAHORE:—

1. Plan of Artillery Lines, 6 sections.
2. Plan of European Infantry Lines, 6 sections.

## VII. MOOLTAN DIVISION.

Including the Districts of—1, Jhang; 2, Montgomery, formerly Gugaira; 3, Mooltan; 4, Muzaffargarh.

### *General Map.*

MOOLTAN DIVISION, comprising the Districts of Googaira, Jhung, Mooltan, and Mozzuffurgurh, Punjab Proper. 1855 to 1858. *Scale, 4 miles to 1 inch; size, 54 inches by 70; price 12s.*

The same, eastern half only. MS.

### 1. *Jhang District.*

DISTRICT JHUNG, Punjab Proper. 1854 to 1856. *Scale, 2 miles to 1 inch; size, 58 inches by 66; price 10s.*

### 2. *Montgomery District.*

DISTRICT GOOGAIRA (now MONTGOMERY), Punjab Proper. 1853 to 1856. *Scale, 2 miles to 1 inch; size, 60 inches by 58; price 6s.*

### 3. *Mooltan District.*

DISTRICT MOOLTAN, Punjab Proper. 1855 to 1858. *Scale, 2 miles to 1 inch; size, 50 inches by 58; price 10s.*

Map of the COUNTRY between MOOLTAN and TALOOMBA. Surveyed by Lieut. J. J. Pollexfen, Deputy Assistant Quartermaster-General, Mooltan F. F., and the Guides of the Department, during the months of November and December 1849. *Scale, 1 mile to 1 inch; size, 66 inches by 26.* MS.

Plan of the ENVIRONS of MOOLTAN, by Lieut. J. J. Pollexfen, Deputy Assistant Quartermaster-General. *Scale, 1 mile to 1 inch; size, 14 inches by 15.* MS.

MOOLTAN. Memorandum by Lieut. Christopher, I. N., with lithographed sketches and maps of Mooltan Forts and environs (June 1848). MS.

Sketch of the FORTIFICATIONS of MOULTAN. Published by James Wyld, London, November 4th, 1848. *Size, 21 inches by 27.*



MOOLTAN (Fort, showing the Parallels of Attack and positions of the British Batteries, 1849). By Lieut. W. S. Oliphant, Bengal Engineers. *No scale; size, 14 inches by 19.*

MOOLTAN (Town and Citadel) by Lieut. W. S. Oliphant, Bengal Engineers (1849). *Scale, 4 inches to 1 mile; size, 10 inches by 13.*

Plan of MOOLTAN, from a sketch received from Captain J. Ramsay, Assistant Quartermaster-General (showing the positions occupied by the British Troops at the Siege), Bombay, 17th February 1849. *Scale, 6 inches to 1 mile; size, 26 inches by 34.*

Plan of MOOLTAN and its ENVIRONS, showing the position of the British Forces at the Siege, by Captain J. Ramsay, Assistant Quartermaster-General, M. F. Force, 1849. Lithographed by William Lines, East India House. *No title. Scale, 2 inches to 1 mile; size, 14 inches by 20.*

Sketch of the CITY of MOOLTAN. *No title. Lithographed by William Lines, East India House, 24th February 1849. Size, 14 inches by 20.*

Map of the CANTONMENTS, CIVIL LINES, FORT, CITY, and SUBURBS of MOOLTAN. Surveyed in 1856-57 by Captain G. H. Thompson, Revenue Surveyor. *Scale, 4 inches to 1 mile; size, 27 inches by 40. Lithographed at the Topographical Dépôt, War Department, London.*

MOOLTAN CANTONMENTS, CITY, FORT, and CIVIL LINES. *Scale, 500 feet to 1 inch; size, 36 inches by 50. On tracing cloth. MS.*

Plan of CANTONMENTS, MOOLTAN; showing proposed re-arrangement of barracks by Executive Engineers, with reference to the Fort. *Size, 30 inches by 36. On tracing cloth. MS.*

Plan of MOOLTAN CANTONMENTS; showing proposed re-arrangement of barracks, &c. as recommended by Superintending Engineer, 3rd Circle, Punjab. *Scale, 500 feet to 1 inch; size, 22 inches by 33. On tracing cloth. MS.*

New Arrangement BARRACKS of MOOLTAN CANTONMENT. Approved by the Govt. of India. See 3rd Public Works letters, 1282 M. of 23rd Nov. 1865. *Scale, 500 feet to 1 inch; size, 18 inches by 33. On tracing cloth. MS.*

Sketch of proposed Fortified Post at MOOLTAN. *Size, 17 inches by 23. On tracing cloth. MS.*

Block Plan showing proposed site for New Fort, MOOLTAN. *Size, 36 inches by 28. On tracing cloth. MS.*

Block Plan of the CANTONMENT of MOOLTAN. *Scale, 100 feet to 1 inch; on 4 sheets.*

CANTONMENT, CITY, and ENVIRONS of MOOLTAN. 1871-72. *Scale, 12 inches to 1 mile; on 11 sheets, including an Index Map; size of each, 30 inches by 22.*

CANTONMENT, CITY, and ENVIRONS of MOOLTAN. 1871-72. *Scale, 6 inches to 1 mile; on 2 sheets; size of each, 25 inches by 40.*

4. *Muzaffargarh District.*

DISTRICT MOZUFFURGURH, Punjab Proper. 1855 to 1857.  
*Scale, 2 miles to 1 inch; size, 72 inches by 56; price 10s.*

VIII. PESHAWAR DIVISION.

Including the Districts of :—1, Hazara; 2, Kohat; and 3, Peshawar.

1. *Hazara District.*

MILITARY Map of HAZARA, surveyed by Lieut. D. G. Robinson, Engineers, in 1848–9. Revised and adjusted under the directions of Lieut. Col. A. S. Waugh, Surveyor-General of India, on the basis of the Great Trigonometrical Survey of India in 1854–5. *Scale, 2 miles to 1 inch; on 3½ sheets; size, 54 inches by 60. MS.*

The same, lithographed and published. *Price 8s.*

REPORT upon the MILITARY SURVEY of HAZARA by Lieut. D. G. Robinson, 1847–49, and finished 1853. (Letter to Colonel Waugh, December 1st, 1855.) On 13 pp. fcap., unbound. MS.

Sketch Map of TRACTS conterminous with the NORTHERN BORDER of HUZARA. *Scale, about 8 miles to 1 inch; size, 22 inches by 26. MS.*

KHAGAN. Surveyed by Lieut. T. T. Carter, R.E., 1st Assistant Great Trigonometrical Survey of India, Office of Superintendent, Great Trigonometrical Survey, Dehra Doon, July 1866. *Scale, 4 miles to 1 inch; size, 16 inches by 23. MS., on tracing cloth.*

ROUGH SKETCH Map of the BLACK MOUNTAIN and COUNTRY adjoining UGRORE. September, 1868. By Lieut.-Col. H. C. Johnstone, Revenue Surveyor attached to the Hazara Field Force. *Scale, 2 miles to 1 inch; size, 40 inches by 27; price 4s.*

Map to Illustrate the Operations of the HUZARUH FIELD FORCE under Major-General A. Wilde, C.B., C.S.I. October, 1868. Surveyed by Lieut.-Col. H. C. Johnstone, and assistants. *Scale, 2 miles to 1 inch; size, 22 inches by 22; price 2s.*

DISTRICT HUZARUH. North-west Frontier Revenue Survey. 1865–69. (No title.) *Scale, 1 mile to 1 inch; on 15 sheets; size of each, 27 inches by 34; price 30s.*

ABBOTTABAD CANTONMENT and ENVIRONS. 1868–69. *Scale, 12 inches to 1 mile; on 2 sheets; size of each, 40 inches by 27.*

ABBOTTABAD CANTONMENT and ENVIRONS. 1868, '69. *Scale, 6 inches to 1 mile; size, 21 inches by 25; price 2s.*

2. *Kohat District.*

Geological Map of the TRANS-INDUS SALT REGION. By A. B. Wynne. *Scale, 2 miles to 1 inch; size, 26 inches by 40.*

\* \* \* See also, Northern Trans-Indus Frontier, Map No. 3, p. 237.

REPORT on the KOHAT PASS. By Lieut. R. L. N. Cavagnari, Officiating Deputy Commissioner, Kohat. 1867. With a Map. Drawn up at the request of Major F. R. Pollock. 8vo., 75 pp., unbound.

### 3. Peshawar District.

DISTRICT PESHAWUR. 1863-65 and 1869-70. *Scale, 1 inch to 1 mile; on 10 sheets; size of each, 40 inches by 28.*

NOWSHERA, CANTONMENT, TOWN, and ENVIRONS. 1866, '67. *Scale, 6 inches to 1 mile; on 3 sheets; size, 27 inches by 60; price 6s.*

NOWSHERA CANTONMENT, TOWN, and ENVIRONS. 1866-67-68-69. *Scale, 12 inches to 1 mile; on 6 sheets; size of each, 28 inches by 40.*

NOWSHERAH BARRACKS, PESHAWUR DISTRICT, PUNJAB:—

1. Plan of European Infantry Lines, on 8 sheets.

PESHAWUR, CANTONMENT, CITY, and ENVIRONS. 1866, '67. *Scale, 6 inches to 1 mile; on 4 sheets; size, 40 inches by 58; price 6s.*

Plan of PESHAWUR, CANTONMENT, CITY, and ENVIRONS. 1866, '67, '68, '69. *Scale, 12 inches to 1 mile; on 10 sheets; size of each, 27 inches by 40.*

A general REPORT on the YUSUFZAIS, in six chapters, with a Map. By H. W. Bellew, Assistant Surgeon, Corps of Guides. Lahore, 1864. 8vo. cloth.

\* \* \* See also North-west Frontier Maps, p. 238.

## IX. RAWALPINDI DIVISION.

Including the Districts of—1, Gujrat; 2, Jhelum; 3, Rawalpindi; and 4, Shahpur.

### 1, 4. Gujrat and Shahpur Districts.

DISTRICT GOOJRAT, Punjab Proper. 1853 to 1855. *Scale, 2 miles to 1 inch; size, 33 inches by 41; price 4s.*

REPORT on the Second Regular Settlement of the GUJRAT DISTRICT, PANJAB. (1867-68.) By Captain W. G. Waterfield. Lahore, 1874. Royal 8vo., cloth.

Maps connected with the REPORT on the Second Regular Settlement of the GUJRAT DISTRICT. 1867-68. Folio, half cloth. Contents:—

Goojurat District. *Scale, 6 miles to 1 inch.*

#### GEOGRAPHICAL.

1. Physical Features and Zones of Fertility.
2. Depth of Water below Surface.
3. Roads and Lines of Traffic.

#### HISTORICAL.

4. Goojurat Jurisdictions of the Delhi Empire under Akbār, A.D. 1519.
5. Partition by Sikh Sardars, A.D. 1764.
6. Sikh Rule, A.D. 1810.
7. Old Zails (para. 43, First Regular Settlement).
8. Location of the Agricultural Tribes.

STATISTICAL.

9. Statistics of Area, Agriculture, and Population, 1868.
10. Police Jurisdictions.
11. Proposed Thanah limits.
12. Schools, A.D. 1867.
13. Assigned Revenues.
14. Description and class of produce.

FISCAL.

15. Old Tahsils and Assessment Circles.
16. New Rates dedueed.
17. Assessment circles described.
18. Fiscal Results.
19. Fiscal Divisions.
20. Fiscal Divisions Index.
21. Government Preserves.

FINAL.

22. Prospective.

DISTRICTS SHAHPOOR and GOOJRAT, Punjab Proper  
1853 to 1859. *Scale, 4 miles to 1 inch; size, 32 inches by 50; price 6s.*

\* \* See also, District Shahpoor.

2, 3. *Jhelum and Rawalpindi Districts.*

Map of a PORTION of the JHELUM DISTRICT, showing the new roads traced and proposed. Compiled and drawn by Lieut. Nightingale, Superintendent District Roads, from the Surveys of Lieut. Nightingale and Messrs. McRae and Wilson, Assistant Civil Engineers. 1853. *Scale, 1,200 feet to 1 inch; size, 30 inches by 48. MS.*

The DISTRICTS of JHELUM and RAWUL PINDI with portions of Shahpoor, Leia, and Hazara, forming the Kohistan of the Sind Saugor Doab in the Panjab; surveyed between the years 1851 and 1859, under the superintendence of Lieut.-Colonel Sir Andrew Scott Waugh, Comdt. H. M. Bengal Eng., F.R.S. and F.R.G.S., Hon. Assoc. Geog. Soc. Berlin, and Fellow of Calcutta University, Surveyor-General of India and Superintendent G. T. Survey. By CAPTAIN D. G. ROBINSON, Engineers, F.R.G.S., 1st Assistant Surveyor-General's Department, and the assistants under his orders. January, 1861. *Scale, 4 miles to 1 inch; size, 36 inches by 48. MS.*

The same, lithographed and published. *Price 6s.*

The same, on the Larger Scale of 1 mile to 1 inch, in 8 parts with separate titles. The parts are called sheets on the titles, but the 8 'sheets' (properly parts) consist of 28 sheets, as follows:—

1.

DISTRICT of RAWUL PINDI, Sheet (Part) No. 1 of the Kohistan of the Sind Saugor Doab in 8 sheets (parts). *Scale, 1 mile=1 inch. Season 1853, '54, and '57. Captain D. G. Robinson, Engineers, Surveyor. On 4 sheets; size of each, 24 inches by 34. MS.*

The same, lithographed and published. *Price 10s.*

## 2.

DISTRICTS of JHILUM and RAWUL PINDI, surveyed under the instructions of Lieut.-Col. A. S. Waugh, Engineers, Surveyor-General of India. Sheet (Part) No. 2 of the Districts of Jhilum and Rawul Pindi in 8 sheets (parts). *Scale, 1 mile=1 inch. Lieut. D. G. Robinson, Engineers, Surveyor, 1851-54. On 4 sheets; size of each, 24 inches by 34. MS.*

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## 3.

DISTRICT of JHILAM, Sheet (Part) No. 3 of the Kohistan of the Sind Saugor Doab in 8 sheets (parts). *Scale, 1 mile=1 inch. 1851 to 1857. Lieut. D. G. Robinson, Bengal Engineers, Surveyor. On 4 sheets; size of each, 20 inches by 34. MS.*

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## 4.

DISTRICT of RAWUL PINDI, Sheet (Part) No. 4 of the Kohistan of the Sind Saugor Doab in 8 sheets (parts). *Scale, 1 inch=1 mile; 1853 to 1855. Captain D. G. Robinson, Bengal Engineers, Surveyor. On 4 sheets; size of each, 20 inches by 34. MS.*

The same, lithographed and published. *Price 10s.*

## 5.

DISTRICTS of RAWUL PINDI and JHILAM, Sheet (Part) No. 5 of the Kohistan of the Sind Saugor Doab in 8 sheets (parts). *Scale, 1 mile=1 inch. Seasons 1854-5, '55-6, '56-7. Captain D. G. Robinson, Engineers, Surveyor. On 4 sheets; size of each, 24 inches by 34. MS.*

The same, lithographed and published. *Price 12s.*

## 6.

DISTRICTS of JHILAM and SHAHPOOR. Sheet (Part) No. 6 of the Kohistan of the Sind Saugor Doab in 8 sheets (parts). *Scale, 1 mile=1 inch. Seasons 1857-8, '58-9. Captain D. G. Robinson, Engineers, Surveyor. On 4 sheets; size of each, 28 inches by 34. MS.*

The same, lithographed and published. *Price 12s.*

## 7.

DISTRICTS of RAWUL-PINDI, JHILAM, and SHAHPOOR, Sheet (Part) No. 7 of the Kohistan of the Sind Saugor Doab in 8 sheets (parts). *Scale, 1 mile=1 inch. Seasons 1855-6, '56-7. Captain D. G. Robinson, Engineers, Surveyor. On 2 sheets; size of each, 24 inches by 34. MS.*

The same, lithographed and published. *Price 6s.*

## 8.

DISTRICTS of JHILAM, SHAHPOOR, and LEIA, Sheet (Part) No. 8 of the Kohistan of the Sind Saugor Doab in 8 sheets (parts). *Scale, 1 mile=1 inch. Seasons 1857-8, '58-9. Captain D. G. Robinson, Engineers, Surveyor. On 2 sheets; size of each, 28 inches by 34. MS.*

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Skeleton Map of DISTRICTS JHELMUM and RAWUL PINDEE. 1863. *Scale, 4 miles to 1 inch; size, 39 inches by 46.*

ATTOCK FORT and ENVIRONS. 1868-69. *Scale, 12 inches to 1 mile; on 3 sheets; size, of each, 22 inches by 30.*

ATTOCK FORT and ENVIRONS. 1868-9. *Scale, 6 inches to 1 mile; size, 20 inches by 27; price 2s.*

INDUS TUNNEL at ATTOCK. Plans and Sections in a cloth case. 4to.

No. 1. Section of Indus showing Tunnel.

„ 2. „ „ under river, with Lifts.

„ 3. Plan of Indus „ „ „

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„ 8. Lift Machinery.

„ 9. Timbering of Lift Shafts.

„ 10. Details of framing above Lift Shafts.

„ 11. Details of Lifts.

Plan of CAMPBELLPOOR,\* CANTONMENTS and ENVIRONS. 1865-6. *Scale, 6 inches to 1 mile; size, 29 inches by 28; price 4s.*

RAWUL PINDEE, CANTONMENT, TOWN, and ENVIRONS. 1865-66. *Scale, 12 inches to 1 mile; on 7 sheets; size of each, 27 inches by 40.*

Plan of RAWUL PINDEE, CANTONMENTS, TOWN, and ENVIRONS. 1865-6. *Scale, 6 inches to 1 mile; size, 42 inches by 44; price 8s.*

\*.\* See also, Camp of Exercise, 1872-73, p. 166.

Plan of the TOWN of RAWAL PINDI, in Persian characters. Painted at Lahore, 1874. *Size, 70 inches by 90.*

Proposed Plan, &c. of HALF COMPANY BARRACKS at RAWULPINDEE. *Scale, 20 feet to 1 inch; size, 15 inches by 21. On tracing cloth. MS.*

SURVEY of PROPOSED NEW ROAD from PIND DADUN KHAN to CHOYAH. September, 1853. *Scale, 20 chains to 1 inch; size, 40 inches by 27. MS.*

SURVEY (of road from) JHELMUM to PIND DADUN KHAN. Surveyed by Kuniya Lall, Native Surveyor. August, 1852. *Scale, 2 miles to 1 inch; size, 27 inches by 10. MS.*

\* Called Kamalpoor in Indian Atlas 14, and in Robinson's survey; also Kamilpoor on the plan itself.

4. *Shahpur District.*

DISTRICT SHAHPOOR, PUNJAB PROPER. 1854-55, 1858-59, and 1863-65. *Scale, 2 miles to 1 inch; on 4 sheets; size of each, 26 inches by 34.*

\* \* *See also, Gujerat District.*

## X. UMBALLA DIVISION.

Including the Districts of—1, Ludhiana; 2, Simla; 3, Umballa.

*General Map.*

The BRITISH and NATIVE STATES in the CIS-SUTLEJ DIVISION, comprising the Districts of Ferozpoor,\* Loodceana, Umballa, Thanesur,\* and Simla, with Puttealuh,† Nabluh,† Jeendh,† Kotluh,† Kulseca,† and Fureedkot.† 1847 to 1851. *Scale, 4 miles to 1 inch; on 2 sheets; size of each, 46 inches by 31.* MS.

The same lithographed and published. *Price 12s.*

1. *Ludhiana District.*

Sketch of ROOPUR ENCAMPMENT. By Capt. Wade. Received 14th February 1834. *Scale, 1 mile to inch; size, 18 inches by 26.* MS.

2. *Simla District.*

SIMLA, from a Sketch by Capt. Garden drawn on stone and published by J. B. Tassin. 1830. *Scale, 600 yards to 1 inch; size, 12 inches by 17.*

SIMLA and JUTOG. Topographical Survey of India. 1872-73. *Scale, 24 inches to 1 mile; on 20 sheets; size of each, 27 inches by 40.*

SIMLA and JUTOG. Topographical Survey of India. 1872-73. *Scale, 16 inches to 1 mile; on 20 sheets; size of each, 20 inches by 27.*

Preliminary INDEX to the Sheets of the Topographical Survey of SIMLA. Seasons 1872-73, &c., under publication on the scales of 24 and 16 inches to 1 mile. *Scale of the Index, 3 inches to 1 mile; size, 22 inches by 30.*

Guide Plan of SIMLA and JUTOG, HIMALAYA MOUNTAINS, PUNJAB. With an Index to the Sheets of the Survey, executed by Captain George Strahan, R.E., and Assistants, &c. 1872-74. *Scale, 4 inches to 1 mile; size, 23 inches by 32.* Folded in a cover.

\* \* With a list of houses.

3. *Umballa District.*

DISTRICT THUNAI SUR.\* *Scale, 2 miles to 1 inch; on 2 sheets; size, 38 inches by 54; price 4s.*

UMBALLA CANTONMENT, CITY, and ENVIRONS. 1867 to 1869. *Scale, 12 inches to 1 mile; on 14 sheets; size of each, 27 inches by 40.*

\* Ferozpoor District is now in Lahore Division. Thanesar District is now divided between Umballa and Kurnal Districts.

† Native principalities.

CANTONMENTS, CITY, and ENVIRONS of UMBALLA.  
1867-8. *Scale, 6 inches to 1 mile; on 6 sheets; size, 60 inches by 60; price 8s.*

UMBALLA BARRACKS, PUNJAB:—

1. Block Plan of Artillery Lines at Umballa, on 23 sheets.
2. European Infantry Lines, on 12 sheets.
3. European Cavalry Lines, on 15 sheets.

NATIVE PRINCIPALITIES UNDER THE PUNJAB  
GOVERNMENT.

1. *Bahawalpur.*

BHAWULPOOR STATE. 1869 to '75. *Scale, 1 mile to 1 inch; to be completed on 26 sheets, of which Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 21, 22, 24, 25, 26, 29, 31, 32, 36, 37, 38, 43, 47, are published; size of each, 27 inches by 39.*

Index to the 1 mile=1 inch sheets of BHAWULPOOR STATE.  
1869 to 1875. *Scale, 8 miles to 1 inch; size, 40 inches by 27.*

Map illustrating the Levels taken over the BANGUR LAND in the BHAWULPOOR and portion of the BIKANER STATES during the years 1869-70. *Scale, 8 miles to 1 inch; on 4 sheets. With P.W. letter 165 of 1870.*

Plan of the TOWN, STATION, and ENVIRONS of BHAWULPOOR, surveyed in season 1873-74. *Scale, 8 inches to 1 mile; size, 22 inches by 30.*

2. *Bashahr.*

Memoir on the construction of a Map of KOONAWUR, in the HILL STATE of BUSEHUR. (Signed A. Gerard, Captain, Surveyor in the Valley of the Nerbudda. 26th July 1826.) Foolsap, 14 pages. MS.

Remarks regarding the GEOLOGICAL SPECIMENS collected in 1821 by J. G. and A. Gerard. (An account of their journey through Koonawur.) Feap., 116 pages. MS.

3. *Hindur (Nalagarh) and Kahlur (Bilaspur).*

A Map of HINDOOR and KALEUR, &c., representing the Country lately conquered by the Army under the command of Major-General Ochterlony. By George Hutchinson, Ensign of Engineers. September 1815. *Scale, 69½ British miles to a degree; size, 26 inches by 39.* MS.

Construction of the Map of HINDOOR and KALEUR, &c. By George Hutchinson, Ensign of Engineers. September 1815. *Scale, 69½ British miles to a degree; size, 26 inches by 39.* MS.

4. *Kashmir.*

Map of KASHMIR, LADAK and LITTLE TIBET, and of the countries between the Sutluj and the Oxus, chiefly from the Surveys of G. T. Vigne, Esq., Lieut. I. Wood, J. N., Major R. Leech, Bombay Engineers, Lieut.-Col. Neil



Campbell, Q. M. General Bombay Estab., and Lieuts. J. Anderson and H. M. Durand of the Bengal Engineers. Compiled by order of the Court of Directors of the East India Company. By John Walker, 1842. *Scale, 14 miles to 1 inch; size, 40 inches by 52.*

Survey of that part of the **BOUNDARY** between the **BRITISH** and **JAMOO TERRITORIES** from the **RAVI** to the **JHILAM**, triangulated and surveyed by Lieut. D. G. Robinson, Engineers, and Messrs. H. B. Talbot, Joseph James, and J. P. Platts, Sub-assistants Great Trigonometrical Survey, under the instructions of Lieut.-Col. A. S. Waugh, Engineers, Surveyor-General of India. 1850-51. *Scale, 4 miles to 1 inch; size, 23 inches by 38.* MS.

Map of **LADAK**, with the adjoining parts of **BALTI** and **MONYUL**. Constructed by Capt. Henry Strachey, from his own surveys and other materials based upon the Indian Atlas, Nos. 47 and 66. March 1851. *Scale, 8 miles to 1 inch; size, 38 inches by 26.* MS.

Map of **NARI KHORSUM**, including the Easternmost Parts of **LADAK** with the contiguous Districts of **MON YUL**. Constructed by Capt. Henry Strachey, from his own surveys and other materials, based upon the Indian Atlas, Nos. 47, 65, and 66. March 1851. *Scale, 8 miles to 1 inch; size, 38 inches by 26.* MS.

Map of the Country north of the **SUTLUJ RIVER**, comprehended between **KASHMIR** and the **MANAS SAROWUR LAKE**, including **LADAK** and the District of **KOONAWUR**. Compiled from existing materials in the Office of the Surveyor-General of India. November 1841. *Scale, 8 miles to 1 inch; size, 50 inches by 50.* MS.

Map of part of **GOOLAB SING'S TERRITORY**, North of Cashmere, by Lieut. Ralph Young, Bengal Engineers, from observations made during an expedition made by the late Mr. P. Vans Agnew, C.S., accompanied by Lieut. Young and Mr. Jas. Edw. Winterbottom, to fix the North-western Boundaries of that Kingdom, in 1847. Traced from the original in possession of J. E. Winterbottom, Esq., by Henry Strachey. March 1852. *Scale, 9 miles to 1 inch; size, 28 inches by 25.* MS.

Plane Table Sketch of a portion of the **JAMMU TERRITORY**, executed by Mr. J. O. N. James, Sub-Assistant, Great Trigonometrical Survey of India. 1852. *Scale, 4 miles to 1 inch; size, 24 inches by 25.* MS.

Map of **KASHMIR**, with part of adjacent **MOUNTAINS**, surveyed on the basis of the Great Trigonometrical Survey of India, under the instruction of Lieut.-Colonel A. S. Waugh, Engineers, F.R.S., F.R.G.S., Surveyor-General of India; by Capt. T. G. Montgomerie, Engineers, F.R.G.S., 1st Assistant G. T. Survey of India, and the Assistants under his orders, during 1855, '56, and '57. *Scale, 2 miles to 1 inch. With an insertion entitled, Kashmir Route Map; scale, 32 miles to 1 inch; on 4 sheets; size, 50 inches by 50.* MS.

The same, lithographed and published. *Price 12s.*

**CORRESPONDENCE** respecting the **GENERAL MAP** of **CASHMERE**. 1857, '59. MS.

**JAMOO, KASHMIR, and adjacent DISTRICTS**, surveyed between the years 1856 and 1860, under the superintendence of Lieut.-Colonel Sir Andrew Scott Waugh, Comdt. H.M. Bengal Eng., F.R.S. and F.R.G.S., Hon. Assoc. Geog. Soc. Berlin, and Fellow of Calcutta University, Surveyor-General of India, and Superintendent G. T. Survey. By Captain T. G. Montgomerie, Engineers, F.R.G.S., 1st Assistant Great Trigonometrical Survey of India, and the Assistants

under his orders. *Scale, 4 miles to 1 inch. With an insertion entitled:—Srinagar, or City of Kashmir and Environs; scale, 1 mile to 1 inch; on 4 sheets; size, 56 inches by 48. MS.*

The same, lithographed and published, 1861. *Price 16s.*

KASHMIR, ROUTE MAP, compiled by Capt. T. G. Montgomerie, 1863–4. With Itineraries and Polymetrical Tables. Fifth Edition. *Scale, 32 miles to 1 inch; size, 27 inches by 30; price 2s.*

Route Map of the WESTERN HIMALAYAS, KASHMIR, PUNJAB, and NORTHERN INDIA (including the former Kashmir Route Map). Compiled by Major T. G. Montgomerie, R.E., F.R.S., F.R.G.S., &c., Officiating Superintendent, G. T. S. 1872. *Scale, 32 miles to 1 inch; size, 24 inches by 34. With a Route Book, 8vo., 24 pages, sewed.*

DOMINIONS of the MAHARAJAH of KASHMIR, on the basis of the Great Trigonometrical Survey of India. Photozincographed sections of part of the Survey of Kashmir, Ladak, and Baltistan, or Little Tibet. Published in the office of the Superintendent Great Trigonometrical Survey of India, pending the completion of the corresponding sheets of the Indian Atlas; Dehra Doon, 1868. *Scale, 8 miles to 1 inch; on 15 sheets, including an Index Map, stitched together; size, 20 inches by 40; price 20s.*

DOMINIONS of H. H. RUNBIR SINGH, K.S.I., &c., JAMOO TERRITORIES. Surveyed on the basis of the Great Trigonometrical Survey of India by Capt. T. G. Montgomerie, Engineers, F.R.G.S., 1st Assistant G. T. Survey of India and the Assistants under his orders, during 1857, '58, '59, and '60. Photozincographed at the Surveyor-General's Office, Calcutta, 1871. *Scale, 2 miles to 1 inch; on 3 sheets; size of each, 40 inches by 33; price 8s.*

Map illustrating the ROUTES taken by Mr. Johnson, Civil Assistant G. T. Survey, in travelling from LEH to KHOTAN and back in 1865. *Scale, 16 miles to 1 inch; size, 25 inches by 20.*

Map showing ROUTES from the PUNJAB to EASTERN TURKESTAN, to illustrate Memorandum by T. D. Forsyth, C.B., Commissioner and Superintendent, Jullundur Division, Punjab. *Scale, 32 miles to 1 inch; size, 20 inches by 24. Lithograph.*

ROUTES between the PUNJAB and YARKAND, to illustrate the Reports of Mr. Forsyth and Dr. Cayley. *Scale, 32 miles to 1 inch; size, 20 inches by 20. Lithograph.*

Handbook to the Trade Products of LEH, with the Statistics of the Trade from 1867 to 1872 inclusive. By J. E. T. Aitchison, M.D., F.L.S., Surgeon-Major, H.M.'s Indian Army, lately British Commissioner, Ladak. Calcutta, 1874. 8vo., cloth.

NATIVE Map of SRINAGAR. No title. *Size, 25 inches by 32. MS.*

SRINAGAR, or CITY of KASHMIR, and ENVIRONS. *Scale, 2 inches to 1 mile; size, 36 inches by 26; price 2s.*

### 5. Chamba.

CHAMBA TERRITORY. *Scale, 2 miles to 1 inch; on 4 sheets; size of each, 25 inches by 29.*

6. *Sirhind Plain.*

Portions of JAGEERS PUTTEALA, JHEEND, NABA, &c., and of DISTRICTS ROHTUK, DELHI, GOORGAON, and HISSAR. Surveyed by Major H. C. Johnstone, Rev. Surveyor. 1861, '62, '63. *Scale, 2 miles to 1 inch; on 4 sheets; size, 44 inches by 64; price 6s.*  
*See also Umballa Division.*

7. *Subathu Agency. (Obsolete. In the Cis-Sutlej Highlands.)*

Sketch Map of the RELATIVE POSITIONS of the GOVERNMENT DISTRICTS and PROTECTED HILL STATES under the Soobathoo Agency. October 1841. *Size, 17 inches by 21. MS.*

## V. RAJPUTANA AGENCY.

Including the British Districts of Ajmir and Mairwara, and nine Assistant Agencies, viz.,—Meywar Agency; Jaipur Agency; Shujangarh Agency; Marwar Agency; Haraoti Agency; Eastern Star Agency; Dholpur Agency; Alwar Agency, and Sirohi Agency.

*General Maps.*

RAJPOOTANA and adjacent COUNTRIES, compiled from various existing materials in the Office of the Surveyor-General of India to *scale, 8 miles to 1 inch; on 8 sheets; size of each, 27 inches by 40; price 1l.*

RAJPOOTANA TOPOGRAPHICAL SURVEY. *Scale, 1 mile to 1 inch. Photozincographs of the original drawings. To be completed in 40 sheets; size of each sheet, 24 inches by 36; price 2s.* The following published:—

Nos. 1, 2, 2a, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 42, 43, 44, 45, 46, 47, 48, 49, 51, 52, 53, 54, 55, 56, 65.

Index to the sheets of the Rajpootana Topographical Survey. *Scale, 32 miles to 1 inch; size, 27 inches by 20; price 6d.*

RAJPOOTANA SURVEY, Degree Sheets. *Scale, 4 miles to 1 inch. Photozincographs. To be completed in 40 sheets; price 1s. each.* Sheet 1, 2, 3, 4, 5, and 8 are ready.

Sketch Map of RAJPOOTANA, showing the localities invaded by Cholera in 1872, and the position of the principal Dispensaries. *Scale, 32 miles to 1 inch; size, 18 inches by 16.*

Map of the Districts of JAJPOOR, SHAIPOORA, BANNERA, and some smaller hereditary Thakurs, and part of Mandalgarh, based on the triangulation of the Aramlia series. Surveyed during the fair season of '49, '50, by Sub-Assistant Mr. J. Fraser, under the orders of Lieut. H. Rivers, First Assist. G. T. S. *Scale, 4 miles to 1 inch; size, 33 inches by 22. MS.*

*Route Maps and Itineraries.*

SURVEY of the ROUTE of the BRITISH ARMY during the Campaign of 1803-4, under the Command of His Excellency General Lake, from Allygurh to Delhi and Agra; and from Agra by Futtehpore Sikree, Laswaree, Bayana, Hindoun, Balahere, Dowsa, Newei to Rampoor, and back again by

Khosealgurh, Hindoun, and Ware to Agra. By Lieut. H. C. Smith, Engineers. *Scale, 1 mile to 1 inch; in 8 parts on 7 sheets; size of each, about 61 inches by 29.* MSS.

\* \* Also parts 4 to 8 mounted together.

ROUTE from JUNJUNNO, in SHAIKAWAL to BUMLOO, in BICKANIER, by Lieut. Macartney. No title. Marked No. 2. *Size, 11 inches by 29.* MS.

Continuation of above ROUTE from BUMLOO, viâ BICKANIER to BHOULPORE (Bahawalpore), by Lieut. Macartney. No title. Marked No. 4. *Size, 14 inches by 43.* MS.

ROUTE from SAGUR to JEIPOOR and BURTHPOOR (Bhurt-poor), by Lieut. J. Tod, Assistant Surveyor. 1811. No title or scale. *Size, 31 inches by 27.* MS.

ROUTE of F. B. S. Wilder, Esquire, from AJMEER to MAIRTAH, near ODYPORE viâ JODEPORE. Received, July 1822. *Scale, 8 miles to 1 inch; size, 24 inches by 19.* MS.

ROUTES throughout the INDIAN DESERT to the VALLEY of SINDE, also in Beekaneer, Jessilmeer, Shikanote, &c., &c. Signed J. Tod. 1831. Fcap., half-bound. MS.

ROUTES in WESTERN and CENTRAL RAJWARA, HAROUTI, and MALWA. Signed J. Tod. 1831. Fcap., half-bound. MS.

ROUTE from JEYSULMEER towards KHYERPOOR, by Lieut. Henry Creed, Artillery. 1840. No title or scale. *Size, 13 inches by 23.* MS.

### *Southern Rajputana.*

A Map of the SOUTHERN PORTION of RAJPOOTANA, including all the Countries bordering on the North-Western Frontier of the Bombay Presidency, constructed by order of the Bombay Government, from surveys made in 1829–30, by Lieut. A. Burnes of the Qr. Mr. Gen.'s Department, assisted by Lieut. J. Holland of the same Department. *Scale, 8 miles to 1 inch; size, 44 inches by 49.*

The same Map on a reduced scale of 12 miles to 1 inch. With an insertion entitled, Parkur, on an enlarged scale from Surveys in 1829. *Scale, 4 miles to 1 inch; size, 27 inches by 34.* MS.

### *Northern Rajputana.*

Map of the NORTHERN PORTION of RAJWARA. Compiled from various authentic materials by A. H. E. Boileau, Lieut., Engineers. 1837. *Scale, 12 miles to 1 inch; size, 24 inches by 33.*

### *Boundary Maps.*

Sketch Map exhibiting the NEW BOUNDARY between the STATES of BAHAWULPOOR, BIKANIER, and BRITISH TERRITORY, as adjusted by the Commissioners in 1844 and 1848. *Scale, 4 miles to 1 inch; size, 43 inches by 48.* MS.

Map of the FRONTIER BOUNDARY between the STATES of BAHAWULPORE, KHYRPOOR, and JESULMER, and between JODHPUR and SINDH. Surveyed and defined in the years 1849 and 1850, by Lieut. J. R. Becher, Engineers, and Captain C. F. Jackson, Boundary Commissioners. Compiled in the Surveyor-General's Office, Calcutta, August 1853. *Scale, 4 miles to 1 inch; size, 82 inches by 50.* MS.

## THE BRITISH DISTRICTS OF AJMIR AND MAIRWARA.

### *General Maps.*

Map of the DISTRICTS of AJMERE and MAIRWARA, surveyed by Lieut. D. C. Vanrenen, Bengal Artillery, Revenue Surveyor, in 1847 and 1848. *Scale, 4 miles to 1 inch; size, 34 inches by 32.* MS.

The same, lithographed and published. *Price 2s.*

Skeleton Map of the DISTRICTS of AJMERE and MAIRWARA, Signed, J. Junes, for Officiating Deputy Commissioner, Ajmere and Mairwara. Lithographed from an original, supplied by the Foreign Department, at the Surveyor-General's Office, Calcutta, August, 1871. *Scale, 4 miles to 1 inch; size, 34 inches by 27.*

Report on the SETTLEMENT of the AJMERE and MHAIRWARA DISTRICTS, by J. D. La Touche, Esq., B.C.S., Settlement Officer, Ajmere and Mhairwara. Calcutta, 1875. With three maps. 8vo., stiff cover.

Gazetteer of AJMER-MERWARA in RAJPUTANA. Compiled by J. D. La Touche of the Bengal Civil Service. Calcutta, 1875. 8vo., stiff cover.

### *1. Ajmir District.*

Map of the DISTRICT of AJMERE, by Capt. H. Hall, Deputy-Assistant Quartermaster-General, October, 1820. *Scale, 4 miles to 1 inch; size, 58 inches by 33.* MS.

Map of the DISTRICT of AJMERE, surveyed by Lieut. D. C. Vanrenen, Bengal Artillery, Revenue Surveyor, in 1847 and 1848. *Scale, 2 miles to 1 inch; size, 47 inches by 44; price 4s.*

The CITY and ENVIRONS of AJMERE in RAJPUTANA. 1875. *Scale, 12 inches to 1 mile; on 4 sheets; size, 34 inches by 26.*

A Map of the Villages TAHSEEL NAYANAGAR, ZILLAH AJMEER. No date. *Scale, 2 miles to 1 inch; size, 20 inches by 12.*

CANTONMENT of DEOLI, in Rajpootana. 1868. *Scale, 5 inches to 1 mile; size, 25 inches by 25; price 2s.*

NUSSEERABAD CANTONMENT (Ajmere). Season 1875. Surveyed by Capt. J. R. Wilmer and others. *Scale, 6 inches to 1 mile; size, 34 inches by 26.*

## Plans of PERMANENT BARRACKS at NUSSEERABAD

(Ajmere District, Rajpootana). 1871. In a cover :—

1. Map of 20 miles round.
2. Plan of the Cantonment.
3. Artillery barracks.
4. Infantry barracks.

Plans and Sections of UPPER-STORIED INFANTRY BARRACKS for EUROPEAN INFANTRY at NUSSEERABAD. *Scale, 20 feet to 1 inch ; size, 26 inches by 31.* On tracing cloth. MS.

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———— European Infantry Lines, on 9 sheets. No. 12 of 1870:

———— Garrison Cells, No. 21 of 1870–71.

## 2. Mairwara District.

Map of MAIRWARA, RAJPOOTANA. By Henry Hall, Quartermaster-General's Department. 1821. *Scale, 4 miles to 1 inch ; size, 37 inches by 26.* MS.

Map of the DISTRICT of MAIRWARA, surveyed by Lieut. D. C. Vanrenen, Bengal Artillery, Revenue Surveyor, in 1847 and 1848. *Scale, 2 miles to 1 inch ; size, 39 inches by 27.* Lithograph.

CITY of NYANAGAR in RAJPOOTANA. 1874. *Scale, 6 inches to 1 mile ; size, 22 inches by 15.*

## 1. MEWAR OR UDAIPUR\* AGENCY.

Chart exhibiting the Range of the BAROMETER and THERMOMETER, the Rainfall, and the Number of Deaths from Cholera in OODEYPOOR, during the Monsoon Epidemic of 1872. By R. D. Cunningham, M.D. *Size, 17 inches by 17.*

DISTRICT JAWUD NEEMUCH. (Gwalior Territory.) 1854 to '65. *Scale, 4 miles to 1 inch ; size, 25 inches by 37.* MS.

Plan of the CANTONMENT of NEEMUCH, showing all the buildings erected up to 1st March 1860, by Capt. W. Shewell, Assistant Quartermaster-General, D.M.A. *Scale, 200 yards to 1 inch ; size, 23 inches by 38.* MS. Trace.

Part Plan of NEEMUCH CANTONMENT, showing proposed disposition of European Lines, Artillery and Infantry. *Scale, 200 yards to 1 inch ; size, 22 inches by 18.* MS. Trace.

Plans of the Permanent Barracks at NEEMUCH (Gwalior Territory, Meywar Agency, Rajpootana). 1871. In a cover :—

1. Map of 20 miles round Neemuch.
2. Plan of Neemuch Cantonment.
3. Artillery barracks.
4. New Infantry barracks.

\* In the last Adm. Report, the spelling is Meywar and Oodeypoor. In this heading it is according to Dr. Hunter.

## 5. Old Infantry barracks.

New European Infantry Barracks, on 8 sheets. Aldershot plan No. 1.

New Royal Artillery Barracks, on 2 sheets. Aldershot plan No. 2.

New European Infantry and Royal Artillery Hospitals, on 2 sheets. Aldershot plan No. 3.

Old European Infantry Barracks, on 2 sheets. Aldershot plan, No. 4.

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Old "European" Infantry Hospital. Aldershot plan, No. 6.

Old Royal Artillery Hospital. Aldershot plan, No. 7.

## 2. JAIPUR AGENCY.

Map of the JEYPOOR TERRITORY, with the adjoining Native States of Ulwur, Bhurtpoor, Shekhawuttee, Kishengurh, Tourwuttee, and Tonk. Compiled from existing materials in the Office of the Surveyor-General of India. June, 1850. *Scale, 8 miles to 1 inch; size, 35 inches by 31.*

Plan of the CITY and ENVIRONS of JEYPOOR, in Rajpootana, 1865. *Scale, 1,000 feet to 1 inch; size, 40 inches by 30; price 4s.*

KISHENGARH CITY, Rajputana. 1875. Surveyed by Capt. G. Strahan, R.E., and others. *Scale, 12 inches to 1 mile; on 2 sheets; size, 40 inches by 54.*

## 3. SHUJANGARH AGENCY.

*Bikanir.*

Gazetteer of the BIKANIR STATE. By Capt. P. W. Powlett, Officiating Political Agent, Alwar. Calcutta, 1874. With a map. 8vo., stiff cover.

## 4. MARWAR OR JOHDPUR AGENCY.

Map of the TERRITORY of MARWAR or JODPOOR, including the Tract denominated Mairwara. Compiled in the Office of the Surveyor-General of India, Calcutta, 27th April 1845, with additions and corrections to February 1850. *Scale, 8 miles to 1 inch; size, 37 inches by 48.*

## 5. HARAOTI AGENCY.

*Bundi.*

Plan of the CITY and ENVIRONS of BUNDI in RAJPOOTANA. 1869-70. *Scale, 6 inches to 1 mile; size, 26 inches by 34.*

*Kotah.*

Plan of the CITY and ENVIRONS of KOTAH in RAJPOOTANA. 1869-70. *Scale, 6 inches to 1 mile; size, 28 inches by 21.*

CANTONMENT of DEOLI in RAJPOOTANA (Residency of the Haraoti Agent). 1868. *Scale, 6 inches to 1 mile; size, 26 inches by 27.*

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Plan of the CITY and ENVIRONS of TONK, in Rajpootana. 1868, '69. *Scale, 10 inches to 1 mile; on 2 sheets; size, 44 inches by 41; price 4s.*

## 6. EASTERN STATES AGENCY.

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*Kerauli.*

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The CITY and ENVIRONS of KEROWLI. 1864-65. *Scale, 500 feet to 1 inch; size, 27 inches by 40.*

OOTGIR FORT, KEROWLI STATE. *Scale, 500 feet to 1 inch; size, 11 inches by 15.*

## 7. DHOLPUR AGENCY.

PLAN of the CITY and ENVIRONS of DHOLPUR. 1864-65. *Scale, 500 feet to 1 inch; size, 27 inches by 40.*

## 8. ALWAR AGENCY.

Plan of the FORT and CITY of ULWUR, GWALIOR, and CENTRAL INDIA. Topographical Survey, Season 1868-69. *Scale, 6 inches to 1 mile; size, 27 inches by 40.*

## 9. SIROHI AGENCY.

Map of the PLATEAUX of MOUNT ABOO in RAJPOOTANA. 1870. *Scale, 12 inches to 1 mile; on 4 sheets; size of each, 26 inches by 34.*

Map of the PLATEAUX of MOUNT ABOO in RAJPOOTANA. 1870. *Scale, 8 inches to 1 mile; on 2 sheets; size of each, 27 inches by 40.*

Plan of the CANTONMENTS and CIVIL STATION of MOUNT ABOO in RAJPOOTANA. 1870. *Scale, 2 feet to 1 mile; on 2 sheets; size of each, 27 inches by 40.*

CANTONMENT of ERINPOORA in RAJPOOTANA. 1873. *Scale, 6 inches to 1 mile; size, 15 inches by 22.*

Plan of the Permanent Barracks at MOUNT ABOO (Sirohi Agency, Rajputana). 1869: In a cover:—

1. Map of 20 miles round Mount Aboo.
2. Plan of Mount Aboo:
3. Sanitarium Barracks.



## VI. CENTRAL INDIA AGENCY.

Including the Indore, Gwalior, Bhopal, Bandalkhand, Bhagalkhand, Western Malwa, Bhopawar or Bhil, Maunpur, and Guna Agencies.

*General Maps.*

Map of MALWA and adjoining Countries. Constructed by order of Major-General Sir John Malcolm, G.C.B., &c., &c., from the Routes of his Division, and the Surveys of Officers under his command, by Lieut. Robert Gibbings, Assistant Quartermaster-General, Madras Establishment, 31st December 1820. Reduced in the Office of the Surveyor-General of India from the original, with additions from recent Surveys to the Eastward of the Meridian of  $77^{\circ}$ ; the positions of the principal places having been duly corrected by the Calcutta Longitudinal and Great Arc Meridional Series, of the G. T. Survey of India. November, 1845. *Scale, 8 miles to 1 inch; size, 38 inches by 67.*

Map of MALWA, and adjoining Countries. Constructed by order of Major-General Sir J. Malcolm, G.C.B., from the Routes of his Division, and the Surveys of Officers under his command. Reduced from the original in the Surveyor-General's Office, Calcutta. September, 1822. *Scale, 16 miles to 1 inch; size, 21 inches to 34. MS.*

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Index to the sheets of the Gwalior and Central India Topographical Survey.

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*Route Maps.*

The ROUTE of MAJOR PALMER, from FUTTEHGURH to AGRA and OUJEIN. Delineated from Geometrical Survey and Astronomical Observations, by W. Hunter, Surgeon to the Residency at Seindiah's Durbar. 1793. *Scale, 62½ miles to a degree; on 14 sheets; size of each, 24 inches by 20. Two sheets missing. MSS.*

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Survey of the ROUTE of the DETACHMENT under the command of Col. Goddard from CALPY to SURAT. From Calpy to the City of Boorhanpore-Johanabad by Arthur Caldwell, Lieut. of Engineers (in 25 sheets, with Abstract of each day's march); and from Boorhanpore-Johanabad to the City of Surat by Duncan Stewart, Lieut. of Infantry (in 17 sheets). *Scale, 4 miles to 1 inch; size of each sheet, 21 inches by 15. Received 1811. MSS.*

Survey of Lieut.-Colonel GODDARD'S MARCH from CHATTERPORE to MOW. *Size, 21 inches by 15. Received 1811. MS.*

ROUTE from SURAT via BARODA and OOGAIN to GUALIOR. No title, scale, or date. *Size, 31 inches by 29. MS.*

Map showing the ROUTES taken by Colonels UPTON and GODDARD, from SURAT to KALPEE. *Scale, 25 miles to 1 inch; size, 19 inches by 29. No title. MS.*

Survey along the CHUMBUL RIVER, forming the British Frontier and that of their Ally, Khanah Keerut Singh, from the Kerowly Demarcation to the Junction of that River with the Jumna, and along the latter stream to Kalpee, delineating the British Territories South of it, and continued along the Cobarry River, forming a Doab with the Chumbul, with the various Territories in and on each side of it distinctly marked; by J. Tod, Captain, Surveyor. June 1st, 1813. *Scale, 2 miles to 1 inch; size, 29 inches by 90. MS.*

ROUTES of a DETACHMENT of LIGHT TROOPS under the command of Major-General Brown, in pursuit of the Pindaries, through CENTRAL INDIA. By J. F. Paton, Ensign Engineers and Surveyor. 1818. *Scale, about 4 miles to 1 inch; in 4 sheets, of varying sizes, about 20 inches by 30 each. MSS.*

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ROUTE from the CANTONMENTS at BHOPALPOOR to KOTAH. Surveyed in January 1825, by Lieut. F. C. Robb, Deputy Assistant Quartermaster-General. *Scale, 4 miles to 1 inch; size, 28 inches by 23. MS.*

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- No. 2. From Gwalior to Kolarus.
- No. 3. From Kolarus to Seronge.
- No. 4. From Seronge to Bhopal.

Map of the ROAD from MIRZAPORE to SAUGOR. 1827. *Scale, 4 miles to 1 inch; size, 28 inches by 63.* MS.

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ROUTE from PEHT, a little South of the Nerbudda River, viâ SHEOR (Sehore), BOPAUL (Bhopal) to BILSAH. No title; marked No. 3. *Size, 39 inches by 26.* MS.

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TOPOGRAPHICAL CHART, compiled chiefly from ROUTE SURVEYS carried on by Senior 1st Class Sub-Assistant Mr. Fraser, under the orders of Captain P. Renny, 1st Assistant, G.T.S., between the Principal and Secondary Stations of the Great Longitudinal Series, Western Section, in the season 1848–49. *Scale, 4 miles to 1 inch; size, 33 inches by 26.* MS.

Plan of the AGRA and BOMBAY ROAD, with the COUNTRY extending 30 miles to the East and West of it, and exhibiting the Staging Bungalows, Post Offices, &c. from Agra to the Nerbudda River. Compiled in the Surveyor-General's Office, from available materials, December 1851. *Scale, 4 miles to 1 inch; size, 114 inches by 26.*

Route from AGRA to BOMBAY, viâ Kentree Ghaut, Indore, Mundlaisir, and Sindwha. 1841. Fcap., unbound. MS.

## 1. INDORE RESIDENCY.

See Khandesh and Bombay Native States Topographical Survey, page 438; also Bhopal and Malwa Topographical Survey, page 268.

Place of the Permanent Barracks at MHOW (Indore Residency, Central India) 1871. In a cover:—

1. Map of 20 miles round.
2. Plan of Mhow Cantonment.
3. Artillery barracks.
4. Temporary Artillery barracks.
5. Cavalry barracks.
6. Infantry barracks.

CITY, FORT, and ENVIRONS of MAHESAR, in Holkars' Nimar. (Surveyed by F. B. Girdlestone, Esq., and Assistants.) 1874. *Scale, 6 inches to 1 mile; size, 22 inches by 30.*

## 2. GWALIOR AGENCY.

Map of the GWALIOR TERRITORY, and adjoining NATIVE STATES in CENTRAL INDIA. Compiled from existing materials in the Office of the Surveyor-General of India, 1847. *Scale, 8 miles to 1 inch; on 4 sheets; size, 60 inches by 50.* MS.

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Sketch Map to accompany MINUTES OF CONFERENCE No. 2. Altered to show the proposition made by the Maharaja in Conference No. 8. *Size, 27 inches by 20.* Two copies. MSS.

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Parts of Dholpoor and Gwalior Territories. Sheet No. 2 of the Gwalior and Central India Topographical Survey. *Scale, 1 mile to 1 inch; size, 42 inches by 39.* MS.

Parts of Gwalior and Dattiah Territories. Sheet No. 3 of the Gwalior and Central India Topographical Survey. *Scale, 1 mile to 1 inch; size, 39 inches by 47.* MS.

Part of Gwalior Territory. Sheet No. 4 of the Gwalior and Central India Topographical Survey. *Scale, 1 mile to 1 inch; size, 41 inches by 38.* MS.

\* \* \* Contains the City of Gwalior and Morar Cantonments.

Parts of Dattiah and Gwalior Territories. Sheet No. 5 of the Gwalior and Central India Topographical Survey. *Scale, 1 mile to 1 inch; size, 40 inches by 37.* MS.

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Parts of Dholpoor and Gwalior Territories. Sheet No. 7 of the Gwalior and Central India Topographical Survey. *Scale, 1 mile to 1 inch; size, 40 inches by 37.* MS.

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Sketch of TOWN and FORT of JHANSI, taken by assault, 3rd April 1858. *Scale, 6 inches to 1 mile; size, 25 inches by 20.* Lithographed at Topographical Depôt, War Department.

Plan of the BATTLE of MAHARAJPOOR, gained by Sir Hugh Gough over Scindia's Mahrattas, December 29th, 1843. By Lieut. Fraser Tytler. *Size, 13 inches by 16.* MS.

For Jawud Neemuch, see Meywar Agency, Rajputana.

## 3. BHOPAL AGENCY.

Map of the PRINCIPALITY of BHOPAL, by Capt. Johnston, Surveyor. (1822.) *Scale, 4 miles to 1 inch; size, 23 inches by 44.* MSS. Two copies.

Field Book of the SURVEY of BHOPAL by Captain Johnston, 24th N. I. 1821. Fcap., half-bound. MS.

Map of the PRINCIPALITY of BHOPAL and the Countries lying along the Frontier of Malwa and Haroutie. Constructed from the Survey of Capt. J. Johnston, 24th Regiment B.N.I. December 1828. *Scale, 4 miles to 1 inch; size, 48 inches by 55.* MS.

BHOPAL and MALWA TOPOGRAPHICAL SURVEY, 1871–72–72. *Scale, 1 mile to 1 inch.* Photozincographs. *Sheets 1, 2, 3, 4, 5, 6, 7, 9, 10, 12, 14, 16; size of each, 27 inches by 40.* With a small Index Map.

BHOPAL and ENVIRONS. 1873. *Scale, 12 inches to 1 mile; on 6 sheets; size of each, 26 inches by 34.*

BHOPAL and ENVIRONS. 1873. *Scale, 6 inches to 1 mile; on 2 sheets; size of each, 26 inches by 34.*

## 4. BANDALKHAND AGENCY.

Map of BUNDELKUND, prepared from actual Surveys and corrected by Astronomical Observations, &c., by F. Sackville, Lieutenant and Surveyor, in 1805, '06, '07, '08, and '09. *Scale, 4 miles to 1 inch; size, 59 inches by 51.* MS.

Field Books of a SURVEY of the SOUTHERN FRONTIER of BUNDELKUND, by Lieut. James Franklin. 1814–15. Fcap., stiff cover. MS.

A Map of the SOUTHERN FRONTIER of BUNDELKUND, describing the boundary of the Honourable Company's possessions from Burgurh to Seundah, by Jas. Franklin, Capt. and Surveyor. Received 1816. *Scale, 4 miles to 1 inch; size, 18 inches by 23.* MS.

A Map of part of BUNDELKUND, by Lieut. Jas. Paterson, 4th Regiment of Native Cavalry, August 1817. *Scale, 6 miles to 1 inch; size, 17 inches by 21.* MS.

Map of the PROVINCE of BUNDELKUND, and part of Boghelcund (Rewah). Surveyed by Captain James Franklin, Assistant Quarter-master-General, and reduced from the original Map. Surveyor-General's Office, December 1821. *Scale, 16 miles to 1 inch; size, 18 inches by 22.* MS.

Map of the whole PROVINCE of BUNDELKUND, and part of Boghelcund, including all the British Possessions and all the Native States, with their respective boundaries, carefully collated and arranged from various authentic documents, by Captain James Franklin, Assistant Quartermaster-General, Bengal Army. Copied from the original Map in the Surveyor-General's Office, September 30th, 1823. *Scale, 4 miles to 1 inch; size, 56 inches by 76.* MS.

Geological Map of a portion of BUNDELKUND, showing the Northern Scarp of the Vindhyan Table Land between the Ganges near Allahabad and the Betwa at its exit from the hills. *Scale, 4 miles to 1 inch; size, 30 inches by 48.* MS. (trace).

\* \* \* See also the printed map, page 71.

Plan of ADJYGURH City. 1870. *Scale, 6 inches to 1 mile ; size, 20 inches by 17.*

BIJAWAR. Bundelcund Topographical Survey, Season 1870–71. *Scale, 6 inches to 1 mile ; size, 20 inches by 27.*

CHUTTERPORE. Bundelcund Topographical Survey, Season 1870–71. *Scale, 6 inches to 1 mile ; size, 27 inches by 20.*

## 5. BHAGALKHAND AGENCY.

Sketch of part of BOGHELCUND (Rewah), by G. Lindesay, Ensign, Engineers. February 1814. *Size, 15 inches by 15. MS.*

A Map of REWAH, or BOGILKUND, by Ensign Lindesay, Engineers. 1814. *Scale, 4 miles to 1 inch ; on 3 sheets ; size, 43 inches by 50. MS.*

REWAH (and Bundelcund) TOPOGRAPHICAL SURVEY. *Scale, 1 mile to 1 inch. Original drawings of the following sheets ; size of each, 26 inches by 39 :—*

Nos. 1, 2, 4, 10, 11, 12, 13, and 15.

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\* \* The Sheets numbered in *upright* figures in the foregoing list are entitled “Rewah Topographical Survey” ; Sheets numbered 11 and 34 are entitled “Rewah and Bundelkund Survey” ; and Sheets numbered in *sloping* figures are entitled “Bundelcund Topographical Survey.” The title adopted for this Catalogue accords with the Index Map in the Topographical Surveys Report for 1869–70.

Note.—Also second editions of Nos. 11, 20.

REWAH SURVEY, Half Degree Sheets. *Scale, 4 miles to 1 inch Photozincographs. To be completed in 17 sheets. The following have been published :—*

Sheets 3, 5, 6, 7, 8, 10, 11, 12 and 17 in one, 13 ; *price 1s. each.*

Plan of the CITY of PUNNAH. Surveyed by Captain W. G. Murray and Assistants. *Scale, 6 inches to 1 mile ; size, 19 inches by 20 ; price 2s.*

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Plan of the CITY of REWAH. Surveyed by Captain W. G. Murray and Assistants. *Scale, 6 inches to 1 mile; size, 23 inches by 19; price 2s.*

Plan of the CITY and CANTONMENTS of NAGODE. 1867-68. Surveyed by Lieut. R. V. Riddell, R.E. *Scale, 6 inches to 1 mile; size, 40 inches by 27.*

Map showing the SITUATION of the TEMPLE CAVES of SHAHPOOR SINGROWLEE. Surveyed by C. H. Burke, July, 1846. *Scale, 4 miles to 1 inch; size, 8 inches by 11. MS.*

## 6. WESTERN MALWA AGENCY.

CITY and CANTONMENT of JHALRA-PATAN and GAGRON FORT. Seasons 1872-75. *Scale, 6 inches to 1 mile; on 4 sheets; size of each 27 inches by 40.*

## 7. BHOPAWAR OR BHIL AGENCY.

See Khandesh and Bombay Native States Topographical Survey, page 438.

## 8. MAUNPUR AGENCY.

See Bhopal and Malwa Topographical Survey, p. 268; also Khandesh and Bombay Survey.

## 9. GUNA AGENCY.

See Gwalior and Central India Topographical Survey, page 264.

Plan of the CITY and CANTONMENT of GOONA. 1873. *Scale, 8 inches to 1 mile; on 2 sheets; size of each, 40 inches by 27.*

# VII. THE CENTRAL PROVINCES.

Including Four Divisions or Provinces, viz.:—Chattisgarh, Jubbulpore, Nagpur, Nerbudda, and Upper Godavari District; and Native Principalities.

The GAZETTEER of the CENTRAL PROVINCES of INDIA. Edited by Charles Grant, Esq., Secretary to the Chief Commissioner of the Central Provinces. Second edition. Nagpur, 1870. Royal 8vo., cloth.

## *Nagpur Survey.*

Plane Table Maps of the NAGPOOR SURVEY. (1821 to 1831 ?) *On 61 sheets; scale, 1 mile to 1 inch; with an Index Map on the scale of 10 miles to 1 inch. Signed, J. B. Norris, Superintendent of the Nagpoor Survey. In two volumes, elephant folio, half-bound.*

Completion of the Map of the NAGPORE TERRITORIES, by Messrs. Norris and Weston. 1831. Correspondence with the Atlas. MS.

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**NAGPOOR SURVEY.** Original calculations by Captain Stewart, revised and corrected by Mr. Norris. *No date.* Fcap. folio, stiff cover. MS.

*Topographical Survey.*

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\*.\* Chiefly Sambalpur District.

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The same Map as above geologically coloured.

Sketch Map of the SAUGOR DIVISION and ADJOINING COUNTRIES. Compiled from available materials in the office of the Surveyor-General of India. August 1855. *Scale, 12 miles to 1 inch; size, 36 inches by 50.*

SAUGOR and NERBUDDA TERRITORIES. Calcutta, 1861. *Scale, 8 miles to 1 inch; on 2 sheets; size of each, 27 inches by 40; price 8s.*

### *Route Maps.*

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ROUTE from CALPEE to NAGPORE. Inscribed to the Right Hon. Charles Earl Cornwallis, K.G., &c. &c., Governor-General of India, by James Nathl. Rind. March 31st, 1788. *Scale, 10 geometrical miles to 1 inch; size, 33 inches by 20. MS.*

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A Survey of a ROUTE from CHUNARGUR, in the ZEMINDARRY of BENARES; through Chimdail, Singrowla, Corair, Kurgommah, Mahtin, Choteesgur, Conkair, Chanda, Chinnoor, Paloonshah, Sunkurgheery, to Yertnagoodum; a place in Col. Pearse's Route from Madras to Calcutta, and situated in the Honble. Company's Talook of Reddy, in the Ellore Circar. By J. T. Blunt, Ensign, Engineers. Received December 1796. *In 5 sheets; size of each, about 55 inches by 30. MSS.*

NARRATIVE of a ROUTE from CHUNARGUR to RAJAMUNDY in the ELLORE CIRCAR. By Ensign Jas. Blunt, in 1795. Fcap., stiff cover. MS.

*Surveys by Lieut.* — 7. THE CENTRAL PROVINCES, ROUTES. 273

- ROUTE from KYRAGHUR to COWELWARRAH. By Lieut. Wm. Lloyd and K. and M. Hircarrah. W. Lloyd. 1807. *Size, 17 inches by 24. MS.*
- MARCHES of the ROAD from AS ARMY from MOOLTIE to GHAT, by Kistna Hircarrah. Protracted by Lieut. William Lloyd. 1811. *Scale, about  $2\frac{1}{4}$  miles to 1 inch; size, 30 inches by 21. MS.*
- Survey of the ROAD from MAHADEO HIRCARRAH. Protracted by Lieut. William Lloyd. 1811. *Scale,  $2\frac{1}{4}$  miles to 1 inch; size, 21 inches by 17. MS.*
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- Survey of the ROAD from GURRAH to SEETABULDY, and Kistna Hircarrah. Protracted by Lieut. William Lloyd. 1812. *Scale, about  $2\frac{1}{4}$  miles to 1 inch; size, 16 inches by 13. MS.*
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- Survey of the ROAD from MOHAGAON to A, by Kistna Hircarrah. Protracted by Lieut. William Lloyd. 1812. *Scale, about  $2\frac{1}{4}$  miles to 1 inch; size, 17 inches by 21. MS.*

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at and Jubbulpore.

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by 20. MS. Scale, 4 miles to 1 inch; size, 33 inches  
\*\* See Plan of Road from F  
aryam to Chunargarh, page 167.

REMARKS on a VISIT to  
GURH, VIJYAGURH, LUTY; HILL FORTS of RHOTAS-  
Kaimur and Bindrachal Hills: DEURH, and SHERGURH, situated on the  
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ROUTE from DAUDPOOR (Native State of Kalahundy) to GOONIPOORAM or KAMPGOORA (Jeypore Agency) by Lieut. C. T. Hill, Assistant Surveyor-General. Surveyor-General's Office, Allahabad, 1845. *Scale, 1 mile to 1 inch; on 3 sheets; marked a, b, c, d; size of each, 22 inches by 25.* No title. MS.

*Nagpore, Calcutta and Bombay Post Road.*

SKETCH of the LINES of COUNTRY surveyed between TAN-  
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Stuart, Bombay Engineers. 1839. *Scale, 4 miles to 1 inch; size, 19 inches by*  
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*Scale, 16 inches to 1 mile; on 4 sheets; size, 40 inches by 54; price 6s.*

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distances computed from Sumbhulpore. *Scale, 8 miles to 1 inch; size, 20 inches by*  
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Map of the DISTRICTS of GODAVERY, BUSTAR, and  
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*Scale, 10 inches to 1 mile; size, 22 inches by 30.*

## 2. Jubbulpore District.

Sketch Map of the DISTRICT of JUBBULPOOR, in the Saugor and Nerbudda Territories. February 1841. *Scale, 4 miles to 1 inch; size, 26 inches by 29.* Lithograph.

Provisional Map published pending the regular Survey.

The same, geologically coloured.

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Nos. 13, 14, 15. „ Koombee.

Nos. 16, 17. „ Gosulpoor.

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No. 17A. Purgunnah Patun Matunpoor.

No. 18. „ „ Soonpoor, part of.

Nos. 19, 20, 21. Purgunnahs Burgee and Soonpoor.

No. 22. Purgunnah Singoregurl Kuttungee, portion of.

Nos. 23, 24, 25. Purgunnah Koomblee.

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### JUBBULPORE BARRACKS:—

1. Key plan of the Barracks for the European troops, on 1 sheet.
2. Artillery and Infantry Barracks, on 8 sheets.

## 3. Mandla District.

Map of SOHAGPOOR and RAMGURH, Districts of the Province of Gundwana, within the jurisdiction of the Commissioner of the Saugor and Nerbudda Territories. Surveyed under instructions from the Sudder Board of Revenue. North West Provinces, by Captain Robert Wroughton, 69th Regiment, B.N.I. and Revenue Surveyor, 1842. With tables of the Agricultural, Revenue, and Statistical Returns. *Scale, 4 miles to 1 inch; size, 28 inches by 40; price 8s.*

\* \* \* Sohagpoor is now in Rewah.

*Nagpore, Calcutta and Bombay Post Road.*

SKETCH of the LINES of COUNTRY surveyed between TAN-  
NAH and NAGPOOR, for the Calcutta and Bombay Post Road, by Lieut. W. S.  
Stuart, Bombay Engineers. 1839. *Scale, 4 miles to 1 inch; size, 19 inches by*  
105. 2 copies. MSS.

SKETCH of the ROAD and COUNTRY between MIDNAPORE  
and NAGPORE, by Lieut. Edward Haines, Engineers, Superintendent Survey  
Raepore Road. 1844. *Scale, 4 miles to 1 inch; size, 26 inches by 162.* MS.

DISTRICT BILASPUR. 1872-74. *Scale, 1 mile to 1 inch; on 9*  
*sheets; size of each, 27 inches by 40.*

Index to the 1 mile to 1 inch Sheets of District Bilaspur. *Scale, 4 miles to 1*  
*inch; size, 22 inches by 30.*

## I. CHATTISGARH DIVISION.

Including the Districts of—1, Bilaspur; 2, Raipur; 3, Sambalpur; 4, Upper Godavari.

1. *Bilaspur District.*

DISTRICT of SIRGOOJAH (Bilaspur) by Captain R. B.  
Ferguson, Surveyor. 1823. *Scale, 4 miles to 1 inch; size, 29 inches by 34.* No  
title. MS.

2. *Raipur District.*

CIVIL STATION of RAEPORE, including Cantonments. 1867-8.  
*Scale, 16 inches to 1 mile; on 4 sheets; size, 40 inches by 54; price 6s.*

3. *Sambalpur District.*

SUMBHULPORE, with surrounding places of note and their  
distances computed from Sumbhulpore. *Scale, 8 miles to 1 inch; size, 20 inches by*  
30. MS.

4. *Upper Godavari District.*

Map of the DISTRICTS of GODAVERY, BUSTAR, and  
KALAHUNDY. 1862. *Scale, 12 miles to 1 inch; size, 18 inches by 24;*  
*price 6d.*

Showing the teak and saul forests. Bustar and Kalahundy (or Karond) are  
native Principalities.

## II. JUBBULPORE DIVISION.

Including the Districts of—1, Damoh; 2, Jubbulpore; 3, Mandlah; 4, Saugor; 5, Seoni.

1. *Damoh District.*

DISTRICT DUMOH. 1863 to 1866. *Scale, 4 miles to 1 inch;*  
*size, 38 inches by 27; price 2s.*

DISTRICT DUMOH (Dummow). 1863 to 1866. *Scale, 1 mile to*  
*1 inch; in 12 sheets; size of each, 36 inches by 30.*

The CIVIL STATION and CITY of DUMOH. Season 1864-65.  
*Scale, 10 inches to 1 mile; size, 22 inches by 30.*

## 2. Jubbulpore District.

Sketch Map of the DISTRICT of JUBBULPOOR, in the Saugor and Nerbudda Territories. February 1841. *Scale, 4 miles to 1 inch; size, 26 inches by 29.* Lithograph.

Provisional Map published pending the regular Survey.

The same, geologically coloured.

DISTRICT JUBBULPOOR. 1854 to 1862. *Scale, 4 miles to 1 inch; size, 27 inches by 32.* MS.

The same, lithographed and published. *Price 4s.*

PERGUNNAH or MAIN CIRCUIT Maps of DISTRICT JUBBULPOOR. 1854 to 1862. *Scale, 1 mile to 1 inch. Nos. 1 to 25; on 15 sheets, including a General Map of the District on a scale of 4 miles to 1 inch; price 3l. 8s.*

No. 1 Purgunnahs Punargur and Gosulpoor.

No. 2. Purgunnah Sehora.

No. 3. Purgunnah Gurha Jubbulpoor.

Nos. 3, 4. " Singoreghur-Kutungee.

Nos. 5, 6, 7, 12. Purgunnah Bilheree Sleemanabad, Eastern Portion.

Nos. 8, 9, 10, 11. " " " Western Portion.

Nos. 13, 14, 15. " Koombee.

Nos. 16, 17. " Gosulpoor.

No. 17. Purgunnahs Punarghur and Soonpoor, part of.

No. 17A. Purgunnah Patun Matunpoor.

No. 18. " Soonpoor, part of.

Nos. 19, 20, 21. Purgunnahs Burgee and Soonpoor.

No. 22. Purgunnah Singoreghur Kutungee, portion of.

Nos. 23, 24, 25. Purgunnah Koombhee.

TEHSEEL BIJERAGOGURH, District Jubbulpoor. 1866-7. *Scale, 4 miles to 1 inch; size, 13 inches by 20; price 1s.*

MAIN CIRCUITS, Nos. 1, 2, 3, TEHSEEL BIJERAGOGURH, District Jubbulpoor. Surveyed in season 1866-67. *Scale, 1 mile to 1 inch; on 2 sheets; size of each, 40 inches by 23.*

Plan of the CITY and CANTONMENT of JUBBULPORE. 1866. *Scale, 8 inches to one mile; size, 40 inches by 38; price 6s.*

### JUBBULPORE BARRACKS:—

1. Key plan of the Barracks for the European troops, on 1 sheet.
2. Artillery and Infantry Barracks, on 8 sheets.

## 3. Mandla District.

Map of SOHAGPOOR and RAMGURH, Districts of the Province of Gundwana, within the jurisdiction of the Commissioner of the Saugor and Nerbudda Territories. Surveyed under instructions from the Sudder Board of Revenue. North West Provinces, by Captain Robert Wroughton, 69th Regiment, B.N.I. and Revenue Surveyor, 1842. With tables of the Agricultural, Revenue, and Statistical Returns. *Scale, 4 miles to 1 inch; size, 28 inches by 40; price 8s.*

\* \* Sohagpoor is now in Rewah.



4. *Saugor District.*

DISTRICT SAUGOR. 1854 to 1864. *Scale, 4 miles to 1 inch; size, 31 inches by 27. MS.*

The same, lithographed and published. *Price 2s.*

DISTRICT SAUGOR. 1854 to '64. *Scale, 2 miles to 1 inch; on 6 sheets; size of each, 21 inches by 27; price 8s.*

MILITARY CANTONMENTS, CIVIL STATION, CITY and SUBURBS of Saugor. 1865-6. *Scale, 6 inches to 1 mile; on 2 sheets; size, complete, 39 inches by 39; price 6s.*

## SAUGOR BARRACKS:—

1. Index plan of Military Buildings at Saugor, 1868.
2. Military buildings at Saugor, on 15 sheets.
3. Cross sections of principal military buildings at Saugor.

5. *Seoni District.*

Sketch Map of the DISTRICT OF SEONEE and part of MANDLA, SAUGOR, and NURBUDDA TERRITORIES. Compiled from various materials in the Office of the Surveyor General for India. Calcutta, 20th February 1841. *Scale, 4 miles to 1 inch; size, 30 inches by 37; price 4s.*

DISTRICT SEONEE (Seoni). 1865 to 1869. *Scale, 1 mile to 1 inch; on 10 sheets; size of each, 27 inches by 40; price 30s. With a small Index Map separately.*

Also, a second edition of Sheet No. 4.

DISTRICT SEONEE (Seoni). 1865 to 1869. *Scale, 4 miles to 1 inch; size, 36 inches by 27; price 6s.*

CITY, CIVIL STATION, and ENVIRONS of SEONEE. 1869. *Scale, 8 inches to 1 mile; size, 27 inches by 34.*

## III. NAGPUR DIVISION.

Including the Districts of—1, Balaghat; 2, Bhandara; 3, Chanda; 4, Nagpur; 5, Wardha.

2. *Bhandara District.*

Preliminary Map of DISTRICT BHUNDARA (Bundara). 1858 to 1867. *Scale, 4 miles to 1 inch; size, 32 inches by 30; price 5s.*

PERGUNNAHS PERTABGURH and portion of KOMPTHA, Tehseel Sakolee, District Bhundara. In 5 sections. 1871-72. *Scale, 1 mile to 1 inch; size of each section, 26 inches by 34.*

3. *Chanda District.*

Sketch Map of the CHANDA DISTRICT (geologically colored). *Scale, 4 miles to 1 inch; size, 36 inches by 37. MS. Tracing.*

DISTRICT CHANDA. 1864 to 1872. *Scale, 4 miles to 1 inch; on 2 sheets; size of each, 26 inches by 34.*

CHANDA DISTRICT. *Scale, 1 mile to 1 inch ; to be completed on 29 sheets with an Index Map ; size of each, 36 inches by 30.*

Sheets 1, 2, 3, 3a, 3b, 3c, 4, 5, 6, 7, 7a, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25 ; *price 3s. each.*

Also Second Editions of Sheets 15 and 17.

#### 4. Nagpur District. 5. Wardha District.

DISTRICT NAGPORE. 1858 to 1860. *Scale, 4 miles to 1 inch ; size, 27 inches by 35. MS.*

The same, lithographed and published. *Price 6s.*

DISTRICTS NAGPOOR and WURDAH. 1858 to '60. *Scale, 2 miles to 1 inch ; on 4 sheets ; size, 56 inches by 62 ; price 10s.*

Plan of KAMPTEE CANTONMENT, surveyed by the 4th Division Central Provinces Survey, 1865, under the superintendence of Captain J. Macdonald, Bengal Staff Corps. *Scale, 3 inches to 1 mile ; size, 32 inches by 42 ; price 4s.*

SEETABULDEE and KAMPTEE CANTONMENT and BARRACKS :—

1. Indian Atlas sheet 72, with military roads from Nagpore, coloured.
2. Plan of Kamptee cantonment, on 2 sheets.
3. Plans of all military buildings in the European Infantry Lines at Kamptee, on 24 sheets, A. to X.
4. Plans of Hospitals, &c. for European Infantry and Artillery, on 6 sheets.
5. Plan of the station of Seetabuldee, including Hill Defences.

CITY of NAGPOOR. 1865. *Scale, 16 inches to 1 mile ; on 6 sheets ; size of each, 22 inches by 30 ; price 10s.*

Plan of the CITY OF NAGPOOR, by Lieut. Weston. *Scale, 200 yards to 1 inch ; size, 26 inches by 39. MS.*

### IV. NERBUDDA DIVISION.

Including the Districts of—1, Betul ; 2, Chindwara ; 3, Hoshangabad ; 4, Nimar ; 5, Narsinghpur.

#### 1. Betul District.

DISTRICT BAITOOL. 1872–74. Central Provinces Revenue Survey. *Scale, 1 mile to 1 inch ; on 7 sheets ; size of each, 40 inches by 27.*

Index to the Sheets of District Baitool, on the scales of 4 inches and 1 inch to 1 mile. *Scale of the Index, 4 miles to 1 inch ; size, 26 inches by 34.*

#### 2. Chindwara District.

DISTRICT CHINDWARA, Central Provinces Revenue Survey. *Scale, 1 inch to 1 mile ; on 12 sheets ; sheets 1, 2, 3, 4, 5, size of each, 40 inches by 27.*

CIVIL STATION and ENVIRONS of CHINDWARA. Surveyed in 1869–70. *Scale, 6 inches to 1 mile ; size, 34 inches by 26 ; price 2s.*

CIVIL STATION and ENVIRONS of CHINDWARA. Surveyed in 1869-70. *Scale, 12 inches to 1 mile; on 4 sheets; size of each, 26 inches by 29.*

DEOGURH FORT, Dt. Chindwara. 1873-74. *Scale, 12 inches to 1 mile; size, 13 inches by 20.*

### 3. Hoshangabad District.

HOSHUNGABAD DISTRICT. 1862-67. *Scale, 4 miles to 1 inch; on 2 sheets; size, 42 inches by 56; price 5s.*

PACHMARI SANITARIUM, HOSHUNGABAD. 1871-72. *Scale, 8 inches to 1 mile; on 2 sheets; size of each, 25 inches by 40.*  
Also a later edition, 1862-70.

PACHMARI SANITARIUM, District HOSHUNGABAD. 1871-72. *Scale, 4 miles to 1 inch; size, 25 inches by 40.*

PACHMARI, SATHPOORA RANGE, District CHINDWARA (correctly HOSHUNGABAD), Central Provinces. *Scale, 2 inches to 1 mile.* Enlarged by M. T. Sale, Lieut. R.E., from the original, surveyed under the superintendence of F. B. Girdlestone, Esq. 1870. *Size, 22 inches by 15.*

DISTRICT HOSHUNGABAD. 1862-66. *Scale, 1 mile to 1 inch; on 13 sheets; size of each, about 27 inches by 34; price 39s.* (With an Index Map on the scale of 8 miles to 1 inch.)

The CIVIL STATION, CITY, and CANTONMENT of HOSHUNGABAD. Season 1863-64. *Scale, 8 inches to 1 mile; size, 20 inches by 27.*

### 4. Nimar District.

NIMAR (Nemaur) DISTRICT. *Scale, 1 mile to 1 inch. To be completed on 13 sheets; size of each, 36 inches by 30.* Sheets 1, 2, 3, 7, 8, 9, 10, 11, 12, 13; *price 2s. each.* With a separate Index.

Also, the Second Edition, complete.

The FORTRESS of ASSEERGURH and TOWN of ASEER. 1869-70. *Scale, 16 inches to 1 mile; size, 27 inches by 40.*

\* \* Including the environs on a reduced scale.

Plans of the Permanent Barracks at ASSEERGHUR (NIMAR DISTRICT, CENTRAL PROVINCES). 1870. In a cover:—

1. Map of 20 miles round.
2. Plan of Asseerghur.
3. Infantry barracks.

TOWN and CIVIL STATION of KHUNDWA. *Scale, 16 inches to 1 mile.* Season 1870. *On 4 sheets; size of each, 22 inches by 30.*

TOWN and CIVIL STATION of KHUNDWA. *Scale, 8 inches to 1 mile.* Season 1870. *Size, 26 inches by 34.*

### 5. Narsinghpur District.

DISTRICT NURSINGHPUR. 1862-3. *Scale, 4 miles to 1 inch; size, 22 inches by 32; price 2s.*

Portion of PERGUNNAHS NURSINGPOOR, GARURWARA, and CHAWURPATHA, District Nursingpoor and portions of District Chindwara, made over on lease to the Nerbudda Coal and Iron Company. Surveyed in 1862, under the superintendence of Captain R. E. Oakes, Revenue Surveyor. *Scale, 1 mile to 1 inch ; size, 44 inches by 28.* MS. Trace, and Lithograph.

\* \* With plan and section of Mopani Colliery.

Nerbudda Coal and Iron Company. Plan of Works at MOPANEE, with a plan of the Coal Mines. *Scales, 4 chains and 2 chains to 1 inch ; size, 21 inches by 61.* MS. tracing.

## NATIVE PRINCIPALITIES IN THE CENTRAL PROVINCES.

Map of PARTS of the JEYPOOR and BUSTAR Territories. Season 1862, '63. By Captain J. P. Basevi, R.E., 1st Assistant Great Trig. Survey. *Scale, 8 miles to 1 inch ; size, 21 inches by 27 ; price 3s.*

\* \* See also Ganjam and Orissa Topographical Survey, pages 327, 328.

## VIII. HYDERABAD.

### THE NIZAM'S GOVERNMENT.

Including—1, the Nizam's Government ; and 2, the Assigned Districts or Berar.  
The actual divisions of the Nizamat are insufficiently known. See Contents.

#### *General Maps.*

A Map of the DOMINIONS of NIZAM ALY KHAN, comprehending the most considerable part of the Six Soubahs of DEKAN, including the cessions made to the Mahrattahs, and the Frontiers of the neighbouring Powers in 1795 ; and divided into Circars according to the Provincial Divisions of the Asnfrali Register. Constructed chiefly from Surveys made and various authentic materials collected since 1790. Designed to illustrate the History, Geography, and Territorial arrangement of these Provinces. Respectfully inscribed to the Right Honourable Lord Hobart, Governor, &c., &c., by his most obedient and humble servant, Colin Mackenzie, Capt., Engineers, Surveyor to the Nizam's Detachment, Fort St. George, 30th July 1796. *Scale, 12 miles to 1 inch ; size, 56 inches by 48.* MS.

\* \* With elaborate explanation and routes of Surveyors ; also a list of the Soubahs and of the Circars included in each, with a statement of their possessors, and remarks.

The ROADS from HYDRABAD to CULBURGA, TOLJA-POOR GHAAT, and FEROSEABAD, on the Beema River. Surveyed between the 14th February and the 3rd April 1797. To which are added (to give a more distinct idea of the elevated tableland of the Ghaats bordering on that part of the Frontier of the Mahrattas and Nizam Aly Khan), the Roads from Hyderabad to Hoomnabad, Beder, Callianee, Dharoor, and Kurdla, from the Survey of 1795. By Colin Mackenzie, Capt. of Engineers, Surveyor to the Nizam's Detachments, Fort St. George, December 10th, 1797. *Scale, 4 miles to 1 inch ; size, 58 inches by 43.* MS.

Map of the SURVEYED PORTION of the NIZAM'S DOMINIONS reduced from the original survey of Captains Garling, Young, and Crisp, by order of Major J. A. Hodgson, Surveyor-General of India. Calcutta, 4th December 1826. *Scale, 16 miles to 1 inch; size, 19 inches by 29.* MS.

\* \* Extends from the Kistnah on the south to the cities of Kummummett, Hyderabad, and Koolburgah on the north, with a strip running to the north-west as far as Ahmednuggur.

Skeleton PLAN exhibiting the whole TRACT surveyed in the NIZAM'S DOMINIONS from the commencement in 1816 to the present time. Copied in the Surveyor-General's Field Office, Dehra Dún, 17th July 1830. *Scale, 16 miles to 1 inch; size, 39 inches by 33.*

BOUNDARIES of TERRITORIES under the Commissioners of Northern Berar and Western Raichore Doab, also of District Barsee and the Principality of Gudwal, included in the Nizam's Dominions. No title. *Scale, 16 miles to 1 inch; size, 35 inches by 31.* MS.

The NIZAM'S DOMINIONS, exhibiting the Territories surveyed from 1816 to the present time, and those assigned to the British Government by the Treaty of 6th June 1855. S.G.O., Calcutta, February 1858. *Scale, 16 miles to 1 inch; size, 35 inches by 32.*

Sketch Map of the NIZAM'S DOMINIONS. Appendix No. 1 (to a report). Showing roads completed, proposed, and under construction; the assigned districts in Berar; Surfikhass and Jagcer estates; the ceded Godavery Talooks; and territories restored to the Nizam in 1860. Lithographed in S.G.O., Calcutta, 1862. *No scale; size, 25 inches by 25.*

### *Route Maps, &c.*

Survey of a ROUTE from HYDERABAD to KALPY, through the Districts of Golconda, Indore, Neermull, Mahore, Ellichpore, Kerlah, Saugor, and Bundelcund. By Thomas Auburys, Ensign and Practitioner Engineer. *Scale, 5 miles to 1 degree, or 14 miles to 1 inch; size, 46 inches by 21.* MS.

Another copy without the author's name, but with more details. MS.

The same route, *on the scale of 4 miles to 1 inch; on 4 sheets; size of each, 50 inches by 28.* MSS.

JOURNAL of a ROUTE from SECUNDERABAD to PAUGHTOOR on the Kistnah. 1819. 8vo. Stiff covers.

Sketch Map showing the LINE of ROAD from AURUNGABAD to NUNDGAON. *Scale, 4 miles to 1 inch; size, 13 inches by 16.* MS. trace.

### *British Cantonments, Hyderabad.*

Proposed position of EUROPEAN CAVALRY BARRACKS and subsidiary buildings at BOLARUM near Hyderabad, Nizam's Territory. Sheet No. 1. On 28 sheets.

Contoured Plan of the TRIMULGHERRY CANTONMENT (near Secunderabad). 1868. *No scale; size, 40 inches by 27.* Lithographed in colors.

SECUNDERABAD and TRIMULGHERRY CANTONMENTS and BARRACKS, Hyderabad, Nizam's Territory :—

1. Indian Atlas, sheet 75, containing Secunderabad, &c. with military roads, coloured.
2. Plan of the Cantonment of Secunderabad, 1868. *On 2 sheets; scale, 6 inches to 1 mile.*
3. European Cavalry Barracks and Onthouses at Secunderabad, 10 sections.
4. Royal Artillery Barracks at Trimulgherry, 12 sections.
5. First European Infantry Barracks and Family Quarters, &c. at Trimulgherry, 16 sections.
6. Second European Infantry Barracks and subsidiary buildings at South Trimulgherry, 16 sections.

DIAGRAM showing the METEOROLOGICAL CONDITION of SECUNDERABAD for the year 1864, viz., amount of ozone, atmospheric pressure, rainfall, temperature of air in the sun and shade, amount of humidity, prevailing winds, &c. Signed, W. Arnold Smith, M.D., Assistant Surgeon, 2nd M.L. Cavalry. January 1st, 1865. *Size, 24 inches by 36.*

### HYDERABAD TOPOGRAPHICAL SURVEYS.

On the scale of 1 mile to 1 inch.

#### *The Original Drawings.*

The first portion of the Surveys was made in separate Circars, and drawn on small sections, measuring 14 inches by 7 each, including on each section 12' of latitude and 6' of longitude.

The subsequent Survey was carried on continuously, and drawn on paper of large and varying sizes.

Drawings of both were also made on a Reduced Scale.

- 1: *Surveys of the Circars (or Divisions) on the 1 inch scale, in Small Sections.*

BASSIM CIRCAR, surveyed in 1840, '41, '42, '45, 46; on 61 sections. (Now partly in Berar.)

BAYTHULWADDY CIRCAR, surveyed in 1842, '43, '44; on 21 sections.

BEDER CIRCAR, surveyed in 1829, '30, and '32; on 46 sections.

BHEER CIRCAR, surveyed in 1835, '36; on 46 sections.

DAROOR CIRCAR, surveyed in 1836; on 33 sections.

DOWLUTABAD CIRCAR, surveyed in 1846, '47, '48; on 52 sections.

EILGUNDEL CIRCAR, surveyed in 1834; on 54 sections.

GAWILGHUR CIRCAR (part of), surveyed in 1845, '46, '49; on 72 sections. (Now in Berar.)

GOLCONDAH (Hyderabad) CIRCAR, North-east part, &c., surveyed in 1827 ; on 14 sections.

JAULNAH CIRCAR, surveyed in 1841, '42, '43 ; on 46 sections.

KOILKONDAH CIRCAR, Northern extremity only, surveyed in 1829, '30 ; on 2 sections.

KOWLASS CIRCAR, surveyed in 1829, '30, '32 ; on 29 sections.

KULBURGAH CIRCAR, Northern part only, surveyed in 1833 ; on 15 sections.

KULLIANEE CIRCAR, surveyed in 1833 ; on 13 sections.

KUMMUMMETT CIRCAR, the Eastern part, surveyed in 1837 ; on 66 sections.

MAIKER CIRCAR, surveyed in 1840, '41, '42, '43, '44 ; on 53 sections. (Now in Berar.)

MEDDUCK CIRCAR, surveyed in 1828, '29, and '30 ; on 56 sections.

MULKAID CIRCAR, Northern part only, surveyed in 1833 ; on 7 sections.

MULLANGOOR CIRCAR, surveyed in 1834 ; on 15 sections.

NANDAIR CIRCAR, surveyed in 1832, '36, '37, '39, '40, and '41 ; on 167 sections.

NULDROOG CIRCAR, surveyed in 1833 ; on 35 sections.

NURNULLA CIRCAR, surveyed in 1843, '44, '45, '46, '47 ; on 59 sections. (Now in Berar.)

PATREE CIRCAR, surveyed in 1841, '42 ; on 34 sections.

PURRAINDA CIRCAR, surveyed in 1835 ; on 45 sections.

PYTON CIRCAR, surveyed in 1842, '43 ; on 12 sections.

WARRUNGUL CIRCAR, surveyed in 1829, '30, '31 ; on 57 sections.

## 2. *Continuous MS. Surveys, on the 1 inch scale, in large Sections.*

Season 1828, '29.	Sheets A., B., C., D., E., F., G., H., I., J., K. The greater part of Bhonagheer Circar, &c.	
„ 1856, '57.	Sheets 1, 2, 3. Re-survey of the Eastern border of Berar.	
„ 1857, '58.	Sheets 4, 5, 6, 7, 8. Re-survey of S.E. Berar to join Hyderabad.	
„ 1858, '59.	Sheets 9, 10. Ditto.	
„ 1859, '60.	Sheet 11, and connecting slips Nos. 1, 2, 3, 4, 5. Re-survey of part of Gawilgurh in Berar.	
„ 1860, '61.	Sheets A., B., C., D., E. Re-survey of part of Gawilgurh and Nurnulla.	
„ 1861, '62.	Sheets 12 and 14. Ramgheer, &c.	
„ 1862, '63.	Sheets 13, 15, 16. Ramgheer, &c.	
„ 1863, '64.	Sheets 17, 18, 19. Ramgheer, &c.	

- Season 1864, '65. Sheets 20, 21, 22, 23. Ramgheer, Dewani Mehals.  
 " " Sheet F. Godavery talook, Sironcha.  
 " " Sheets 1, 2, 3. Re-survey of Mahore, &c.  
 " 1865, '66. Sheets G., H., I., J., K., L., including the Godavery talooks,  
 Nugur, Albaka, Cheerla, Bhuddrachellam, and Rakapali.  
 " " Sheet 4. Re-survey of parts of Mahore and Bassim.

3. *Drawings of Circars (or Divisions) on the Reduced Scale of 4 miles to 1 inch.*

BASSIM. *See* Berar.

BAYTHULWADDY. Map of the Baythulwaddy Circar. Surveyed in the years 1843, '44. Signed, H. Morland, Capt. in charge of Hyderabad Survey. *Scale, 4 miles to 1 inch; size, 18 inches by 21.* MS.

BEDER. Map of the Beder Circar, in the Dominions of His Highness the Nizam. Surveyed in the year 1832. Under the superintendence of Lieut. S. C. Macpherson. *Scale, 4 miles to 1 inch; size, 23 inches by 24.* MS.  
 \* \* \* *See* Goleondah.

DOWLUTABAD. Plan of Dowlutabad Circar, completed under the superintendence of Major H. Morland, in the year 1847. *Scale, 4 miles to 1 inch; size, 23 inches by 24.* MS.

EILGUNDEL, &c. Plan of the Eilgundel and Mullangoor Circars of the Soubah of Hyderabad in the Nizam's Dominions. Surveyed in the year 1834. Signed, H. Du Vernet, Lieut. and Surveyor, superintending Hyderabad Survey. *Scale, 4 miles to 1 inch; size, 23 inches by 26.* MS.

BHEER. Map of the Bheer Circar, of the Soubah of Aurungabad and Nizam's Dominions. Surveyed A.D. 1835, by H. Du Vernet, Lieut. and Surveyor, superintending Hyderabad Survey. *Scale, 4 miles to 1 inch; size, 21 inches by 19.* MS.

\* \* \* Incomplete, for continuation, *see* plan of Daroor.

BHONAGHEER. Map of the Bhonagheer Circar, Nizam's Dominions. Surveyed in the years 1827, '28, under the superintendence of Capt. J. T. Webb. *Scale, 4 miles to 1 inch; size, 26 inches by 24.* MS.

DARROOR, &c. Plan of the Darroor and a portion of the Bheer Circars, in the Dominions of His Highness the Nizam. Surveyed in 1836. Signed, H. Morland, Brevet Capt. in charge of Hyderabad Survey. *Scale, 4 miles to 1 inch; size, 23 inches by 25.* MS.

DEVERCONDAH, &c. Portions of the Devercondah, Nilgondah and Kummunimett Circars. Surveyed in 1823-'24 by the Hyderabad Survey establishment under Capt. J. H. Crisp, Surveyor in the Nizam's Dominions. *Scale, 4 miles to 1 inch; size, 20 inches by 25.* MS.

DEVERCONDAH, &c. Plan of portion of country to the south-east of Hyderabad. Surveyed by the Assistant Surveyors in 1823. *Scale, 4 miles to 1 inch; size, 21 inches by 24.* MS.

\* \* \* This map joins the foregoing on the south-west. *See* also the maps of Goleondah.

GAWILGURH. *See* Berar.

GOLCONDAH, &c. Plan of parts of the Golcondah and Devercondah Circars in His Highness the Nizam's Dominions. Surveyed by Messrs. Long, Britain, and Chamarett, Assistant Surveyors, in the year 1827. *Reduced in the*



*office of the Surveyor-General of India from the original field sections, on a scale of 1 mile to 1 inch, to a scale of 4 miles to 1 inch; size, 18 inches by 19. Calcutta, 1838. MS.*

**GOLCONDAH, &c.** Map of portions of the Circars of Golkondah, Koilkondah, Deyvurkondah, Medduk and Beder. Surveyed in the months of June, July, August, and September, 1821. *Scale, 4 miles to 1 inch; size, 21 inches by 22. MS.*

**JAULNAH, &c.** Maps of the Jaulnah and Pyton Circars, executed under the superintendence of Captain H. Morland, in the years 1842 and 1843. *Scale, 4 miles to 1 inch; size, 24 inches by 34. MS.*

**KOILCONDAH.** Plan of part of the Koilcondah Circar, in His Highness the Nizam's Dominions, surveyed in 1829. *Reduced in office of the Surveyor-General of India from the original field sections on a scale of 1 mile to 1 inch, to a scale of 4 miles to 1 inch; size, 11 inches by 14. MS.*

\* \* The northern extremity barely. *See also Golcondah and Kulburgah.*

**KOWLASS.** Map of the Kowlass Circar on the Dominions of His Highness the Nizam. Surveyed in the year 1832, under the superintendence of Lieut. S. C. Macpherson. *Scale, 4 miles to 1 inch; size, 20 inches by 23. MS.*

**KULBURGAH, &c.** Plan of the Circars of Kulburgah, Kullianee, Nuldroog, Mulkaid, and Koilkonda. Surveyed, A.D. 1833. H. Du Vernet, Lieut. and Surveyor, superintending Hyderabad Survey. *Scale, 4 miles to 1 inch; size, 22 inches by 32.*

\* \* Only the part of Kulburgah, north of  $17^{\circ} 24'$  N. lat.; all Kullianee; the part of Nuldroog on the north of Kullianee is wanting (*see Nandair*); only the end of Mulkhaid, north of  $17^{\circ} 24'$ ; only the bare frontier of Koilkondah, between  $17^{\circ} 24'$  and  $17^{\circ} 36'$ , N. lat.

**KULLIANEE.** *See KULBURGAH.*

**KUMMUMMETT.** Map of a portion of the Kummummett Circar in His Highness the Nizam's Dominions. Surveyed in the year 1837. H. Morland, Captain, in charge Hyderabad Survey. *Scale, 4 miles to 1 inch; size, 30 inches by 42. MS.*

\* \* \* Wants the south-western part including the city of Kummummett. *See Devercondah.*

**MAIKER.** *See BERAR.*

**MEDDUCK.** Plan of the Medduck Circar in the Dominions of His Highness the Nizam. Executed in the years 1829 and 1830, under the superintendence of Lieut. H. Morland. *Scale, 4 miles to 1 inch; size, 26 inches by 25 MS.*

*See also GOLCONDAH.*

**MOODGUL and RAICHOOR.** Map of the Circars of Moodgul and Raichoor, comprising that part of the Doab belonging to the Nizam; reduced from the original survey taken in 1817 and 1818, under Capt. James Garling. *Scale, 4 miles to 1 inch; size, 26 inches by 44. MS.*

**MULKAID.** *See KULBURGAH.*

**MULLANGOOR.** *See EILGUNDEL.*

**NANDAIR.** Plan of the Nandair Circar, north of the Godavery River. *Scale, 4 miles to 1 inch; size, 23 inches by 38. (No date.) MS.*

**NANDAIR.** Map of a portion of the Nandair Circar, South of the Godavery River. Surveyed in 1839. *Scale, 4 miles to 1 inch; size, 27 inches by 50.* MS.

**NILGONDAH.** *See* DEVERCONDAH.

**NULDROOG.** *See* KULBURGAH.

**NURNALLA.** *See* BERAR.

**PATREE.** Map of the Patree Circar. Executed under the superintendence of Captain H. Morland in 1841 and 1842. *Scale, 4 miles to 1 inch; size, 19 inches by 22.* MS.

**PURRAINDA.** Plan of the Purrainda Circar of the Soubah of Aurungabad and Nizam's Dominions. Surveyed, A.D. 1835. *Scale, 4 miles to 1 inch; size, 23 inches by 22.* MS.

**PYTON.** *See* JAULNAH.

**RAICHOOR.** *See* MOODGUL.

**SUGGUR.** Map of the Suggur Circar, reduced from the map of that survey under Capt. Garling, S.G.O., Madras, 17th September 1821. *Scale, 4 miles to 1 inch; size, 20 inches by 20.* MS.

**WARUNGUL.** Map of the Warungul Circar, in the Dominions of His Highness the Nizam. Surveyed in the years 1830 and 1831, under the superintendence of Lieut. H. Morland. *Scale, 4 miles to 1 inch; size, 26 inches by 30.* MS.

#### 4. Continuous Drawings on Reduced Scales.

Map of the PORTION of COUNTRY to the SOUTH-EAST of HYDERABAD. Surveyed by the Assistant Surveyors, 1822. *Scale, 4 miles to 1 inch; size, 22 inches by 21.* MS.

Rough original SECTIONS of PARTS of the KOILKONDAH, GUNNAPOOR, MUSTUFFANAGUR, DEVERCOONDA, KOOLBURGA, MULKAID, YEDAGHERRY, and PANGULL CIRCARS. Surveyed in 1824, '25. *Scale, 2 miles to 1 inch. Sections 1, 2, 3, 4, 5, 6.* MSS.

Map of the NORTH-EAST PORTION of SOUTH BERAR. Compiled from sheets Nos. 1, 2, and 3, Hyderabad Topographical Survey. Seasons 1856, '57. *Scale, 4 miles to 1 inch; size, 19 inches by 20.* MS.

A section including PORTIONS of the DEWANI MEHALS, and of the ASSIGNED DISTRICTS of SOUTH BERAR, in continuation northward of the foregoing as far as 20° 15' N. lat. North of 20° N. lat. the work extends westward to 77° 45'. No title. Hyderabad Topographical Survey, 1857, '58. *Scale, 4 miles to 1 inch; size, 19 inches by 28.* MS.

A section including PORTIONS of the DEWANI MEHALS, and of the ASSIGNED DISTRICTS of EAST and WEST BERAR, in continuation westward of No. 2 as far as 77° 15' E. long. No title. Hyderabad Topographical Survey. Season 1858-59. *Scale, 4 miles to 1 inch; size, 19 inches by 21.* MS.

Connecting slip of PORTIONS of E. and W. BERAR, in continuation of the foregoing, westward as far as 77° E. long., and northward as far as 21° 15' N. lat. between 77° 30' and 78° 15' E. long. No. 2 Topographical Party, Hyderabad Survey. Season 1859-60. *Scale, 4 miles to 1 inch; size, 27 inches by 25.* MS.

A section including PORTIONS of the ASSIGNED DISTRICTS of E. and W. BERAR, between  $21^{\circ} 5'$  and  $21^{\circ} 45'$  N. lats., and  $76^{\circ} 30'$  and  $77^{\circ} 45'$  E. longs. No. 2 Topographical Party, Hyderabad Survey. Season 1860-61. *Scale, 4 miles to 1 inch; size, 22 inches by 26.* MS.

A section of the DEWANI MEHALS in MAHORE and RAM-GHEER, on the northern frontier of the Nizam's Territory, between  $19^{\circ} 30'$  and  $19^{\circ} 45'$  North lat. and  $72^{\circ} 30'$  and  $79^{\circ} 15'$  East long. Surveyed by No. 2 Topographical Party, Hyderabad Survey. Season 1861-62. No title. *Scale, 4 miles to 1 inch; size, 16 inches by 19.* MS.

A section of a PORTION of the DEWANI MEHALS, in continuation of the foregoing, to the southward as far as  $19^{\circ} 15'$  N. lat. between  $78^{\circ} 30'$  and  $79^{\circ} 15'$  E. longs.; to the westward as far as  $77^{\circ} 45'$  E. long. between  $19^{\circ} 20'$  and  $19^{\circ} 45'$  N. lats.; and to the eastward as far as the River Warda. No. 2 Topographical Party, Hyderabad Survey. Season 1862-63, and a portion of 1861-62. *Scale, 4 miles to 1 inch; size, 21 inches by 40.* MS.

A section of a PORTION of the DEWANI MEHALS, in continuation of the foregoing to the south-east as far as the Godavery and Warda Rivers, Hyderabad Topographical Survey. Season 1863-64. *Scale, 4 miles to 1 inch; size, 24 inches by 26.* MS.

A section of the SIRONCHA TALUQ, in continuation of the foregoing to the south-east. Hyderabad Topographical Survey. Season 1864-65. *Scale, 4 miles to 1 inch; size, 15 inches by 15.* MS.

A section including a RE-SURVEY of a PORTION of the MAHORE CIRCAR, in continuation of No. 3 to the west as far as  $77^{\circ} 20'$  E. long. between  $19^{\circ} 15'$  and  $19^{\circ} 45'$  N. lats. Hyderabad Topographical Survey. Season 1864-65. *Scale, 4 miles to 1 inch; size, 18 inches by 18.* MS.

A section including a PORTION of CHINUR TALUQ, RAM-GHEER CIRCAR, DEWANI MEHALS, in continuation of No. 4 to the south as far as  $18^{\circ} 20'$  N. lat., and a strip to the south-east bordering the Godavery River. Hyderabad Topographical Survey. Season 1864-65. *Scale, 4 miles to 1 inch; size, 22 inches by 28.* MS.

Chart of the TRIANGULATION of No. 2 TOPOGRAPHICAL PARTY, HYDRABAD SURVEY. Season 1864-65. *Scale, 4 miles to 1 inch; size, 23 inches by 32.*

#### HYDERABAD TOPOGRAPHICAL SURVEYS.

*Published Maps of the Circars, on the scale of 1 mile to 1 inch.*

Map of the BAYTHULWADDY CIRCAR, surveyed in the years 1843 and 1844. *Size, 36 inches by 43; price 8s.*

Map of the BEDER CIRCAR, executed under the superintendence of Lieut. S. C. Macpherson, in the year 1832. *On 6 sheets; size of each, 30 inches by 22; price 12s.*

Map of the BHEER CIRCAR, executed under the superintendence of Lieut. H. Du Vernet, in the year 1835. *On 9 sheets; size of each, 22 inches by 30; price 18s.*

Map of the DAROOR CIRCAR, executed under the superintendence of Capt. H. Morland and Mr. Chamarett, in the year 1836. *On 6 sheets ; size of each, 30 inches by 22 ; price 12s.*

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Map of the EILGUNDEL CIRCAR, executed under the superintendence of Lieut. H. Du Vernet, in the year 1834. *On 9 sheets ; size of each, 22 inches by 30 ; price 18s.*

Map of the JAULNAH CIRCAR, executed under the superintendence of Capt. H. Morland, in the years 1842 and 1843. *On 9 sheets ; size, 80 inches by 80 ; price 16s.*

Map of the KOWLASS CIRCAR, surveyed in the year 1832, under the superintendence of Lieut. S. C. Macpherson. *On 4 sheets ; size of each, 27 inches by 35 ; price 12s.*

Map of the KULLIANNEE CIRCAR, surveyed in the year 1833. H. Du Verney, Lieut. and Surveyor, Sup. Hyd. Survey. *Size, 38 inches by 32 ; price 8s.*

Map of the MEDDUCK CIRCAR, executed under the superintendence of Lieut. H. Morland, in the years 1820–30. *On 12 sheets ; size of each, 22 inches by 30 ; price 24s.*

Map of the MULLANGOOR CIRCAR, executed under the superintendence of Lieut. H. Du Vernet, in the year 1834. *On 2 sheets ; size of each, 30 inches by 22 ; price 4s.*

Map of the NANDAIR CIRCAR, executed under the superintendence of Captain H. Morland, in the years 1832–41. *On 31 sheets ; size of each, 30 inches by 22 ; price 3l.*

Map of the NULDROOG CIRCAR, surveyed A.D. 1833. H. Du Verney, Lieut. and Surveyor, Sup. Hyd. Survey. *On 4 sheets ; size, 75 inches by 60 ; price 12s.*

Map of the PATREE CIRCAR, executed under the superintendence of Capt. H. Morland, in the years 1841 and 1842. *On 4 sheets ; size of each, 29 inches by 35 ; price 14s.*

Map of the PURRAINDA CIRCAR, executed under the superintendence of Lieut. H. Du Verney, in the year 1835. *On 4 sheets ; size of each, 36 inches by 30 ; price 16s.*

\* \* The Purrainda Circar includes the Punch Mahall of the Collectorate of Sholapoor in Bombay Presidency.

Map of the PYTON CIRCAR, executed under the superintendence of Captain H. Morland, in the years 1842 and 1843. *Size, 29 inches by 34 ; price 6s.*

Map of the WARUNGUL CIRCAR, executed under the superintendence of Lieut. H. Morland, in the years 1830–31. *On 12 sheets ; size of each, 30 inches by 22 ; price 24s.*

\* \* For maps of Basim, Gawilghur, Maiker, and Nurnulla Circars, which have been wholly or in part transferred to Berar, *see* pages 291, 292.

## MEMOIRS, ANGLE BOOKS, &c. RELATING TO THE HYDERABAD SURVEY.

**BASSIM CIRCAR.** Position of villages in Pergunnahs Havalee, Baumnee, Nursee, Kullumnooree, Ounda, Chartannah, Damnee, Mungrool, and Hingolee. No. 122. Forty pages, post folio. MS.

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No. 119. In 24 pages, post folio. MS.

**BASSIM CIRCAR. ANGLE BOOK, 1844.** Post 4to. MS.

**Geographical MEMOIR of the BEDER CIRCAR.** General Boundary Register of Villages. Route from Seeunderad to Jaulnah, and Register of Triangles. Signed J. C. Maepherson, Lieut. in charge of the Hyderabad Survey, 1832. In 1 vol. post folio, stiff covers. MSS.

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**General Description and Construction of the Map of the BHEER and PURRAINDA CIRCARS.** Surveyed in 1835. By Lieut. Du Vernet. Angle Book.

**Geographical Memoir of the CIRCAR of PURRAINDA of the SOUBAH of AURUNGABAD.** Description of its Boundary, roads, &c. Memoir of BHEER CIRCAR, and Description of its Boundary. Folio, half bound. MS.

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**Geographical Memoir of the EILGUNDEL CIRCAR of the SOUBAH of Hyderabad.** Post folio, half bound. MS.

**Geographical Memoir of the KOWLASS CIRCAR.** 1830, '31. Post folio, in a stiff cover. MS.

**General Account of the Construction of the Map and execution of the Survey of the CIRCARS of KULLIANNEE, NULDROOG, KULBURGAH, MULHAID, and KOILKONDA, of the Soobah of Beder.** Memoir of the Survey of the Northern part of Kulburgah. Secondary Triangles of Nuldroog and Kulliannee Circars. Registers of Villages in Kulliannee, Kulburgah, Mulkaïd, and Kôilkonda. Folio, unbound. MS.

**Memoir of the JAULNAH CIRCAR.** By Andrew Chamarett, Sub-Assistant Surveyor. Post folio, unbound. MS.

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Book of ROUTES through the MEDDUCK CIRCAR; 1st. Road to Nagpore; 2nd. Road to Hingolee; 3rd. Road to Yelgundel. On 8 maps, on the scale of 1 mile to 1 inch, with MS. itinerary, in a cover. *Size, 19 inches by 12.* MSS.

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Descriptive Memoir of a SURVEY of the PANGUL and GUNNA-POOR CIRCARS in the Nizam's Dominions, arranged from original materials by Captain J. Crisp, Surveyor, Nizam's Dominions. *With Map on the scale of 8 miles to 1 inch.* Folio, half bound. MS.

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Geographical Memoir of the WARUNGUL CIRCAR. Route from Secunderabad to Mahadeopoor, *with Maps.* Description of the Boundaries of the Circar. Folio, stiff covers. MS.

## 2. HYDERABAD ASSIGNED DISTRICTS, or BERAR:

Including the six Districts of—1, Akola; 2, Amraoti; 3, Basim; 4, Buldana; 5, Ellichpur; 6, Wun.

GAZETTEER for the HAIDARABAD ASSIGNED DISTRICTS, commonly called Berar. 1870. Edited by A. C. Lyall, Commissioner of West Berar. Bombay, 1870. Royal 8vo., cloth.

BERAR. (Compiled at the Surveyor General's Office, Calcutta, 1870.) *Scale, 16 miles to 1 inch; size, 14 inches by 18; price 1s.*

BERAR. (Compiled in the Office of the Surveyor General of India, Calcutta, 1871.) *Scale, 10 miles to 1 inch; size, 27 inches by 30; price 1s.*

BERAR. (Compiled in the Office of the Surveyor General of India, Calcutta, 1871.) *Scale, 8 miles to 1 inch; size, 27 inches by 40; price 2s.*

Map of the NURNULLA CIRCAR,\* exclusive of a Portion of the NORTH FRONTIER. Surveyed under the superintendence of Major H. Morland, Assistant Surveyor-General, in the years 1844, '45, '46. *Scale, 1 mile to 1 inch; on 8 sheets; size, 100 inches by 68; price 16s.*

The Original Drawing of NURNULLA CIRCAR, on 59 small sections. *Size of each, 14 inches by 7.* MS.

\* Now divided between Akola and Buldana.

**NURNULLA.** Map of the NURNULLA CIRCAR, exclusive of a Portion of the NORTH FRONTIER, surveyed under the superintendence of Major H. Morland, Assistant Surveyor-General, in the years 1844, '45, '46. *Scale, 4 miles to 1 inch; size, 24 inches by 29.* MS.

Map of BASSIM CIRCAR,\* completed under the superintendence of Capt. H. Morland in the year 1846. *Scale, 1 mile to 1 inch; on 12 sheets; size of each, 22 inches by 30; price 16s.*

The Original Drawing of BASSIM CIRCAR, on 61 small sections. *Size of each, 14 inches by 7.* MS.

**BASSIM.** Plan of BASSIM CIRCAR, completed under the superintendence of Capt. H. Morland in the year 1846. *Scale, 4 miles to 1 inch; size, 25 inches by 28.* MS.

Map of the MAIKER CIRCAR,† executed under the superintendence of Mr. A. Chamarett, Sub-Assistant Surveyor, in the years 1843 and 1846. *Scale, 1 mile to 1 inch; on 6 sheets; size, 72 inches by 58; price 16s.*

The Original Drawing of MAIKER CIRCAR, on 53 small sections. *Size of each, 14 inches by 7.* MS.

**MAIKER.** Map of the MAIKER CIRCAR, surveyed in the years 1843 and '44. *Scale, 4 miles to 1 inch; size, 23 inches by 32.* MS.

Map of the GAWILGHUR CIRCAR,‡ exclusive of a Portion of the NORTH FRONTIER. Surveyed under the superintendence of Majors H. Morland and J. R. Brown, Assistants Surveyors-General, in the years 1845, '46, '49, and '50. *Scale, 1 mile to 1 inch; on 9 sheets; size, 102 inches by 90; price 16s.*

The Original Drawing of GAWILGHUR CIRCAR, on 72 small sections. *Size of each, 14 inches by 7.* MS.

**GAWILGURH.** Map of the GAWILGURH CIRCAR, exclusive of a Portion on the NORTH-WEST FRONTIER. Surveyed under the superintendence of Majors H. Morland and J. R. Brown, Assistants Surveyors-General, in the years 1845, '46, '49, '50. *Scale, 4 miles to 1 inch; size, 26 inches by 31.* MS.

See also, The Hyderabad Topographical Surveys in MS., seasons 1856, '57, '58, '59, '60, '61, '65, '66, for Surveys and Re-surveys of the Borders of Berar, on the one inch and reduced scales.

Also, The Indian Atlas, sheets 54, 55, 72, 73.

## IX. MYSORE AND COORG.

Including three divisions or provinces; viz., Ashtagram, Nagar, and Nundydroog, subdivided into nine Districts.

### *Memoirs.*

Memoirs of a GEOGRAPHICAL, STATISTICAL, and HISTORICAL SURVEY of the MYSORE DOMINIONS, commenced on the partition of Mysore in 1799. Executed and compiled under the direction of C. Mackenzie Major, superintendent of the survey of Mysore. Fort St. George, 22nd October 1808. In five vols., folio, half-bound. MSS.

\* Now divided between Berar and Hyderabad.

† Now divided between Basim in Berar and Hyderabad.

‡ Now divided between Amraoti and Ellichpur.

## CONTENTS :

- Vol. 1. Southern Provinces of Mysore, with four maps; according to the title, but it should be 10 Taluks in the south of Astagram Division; also the Mysore Red Book, an account of the Mysore family to 1712; accounts of elephants, teak forests, and agriculture; the Coorg boundary, &c.
- Vol. 2. Measurement of Nagimungulum Base Line in 1803; seven Taluks in Astagram, two in Bangalore, and one in Chittledroog Division.
- Vol. 3. Central Provinces of Mysore, according to title; actually 30 old purgunnahs or taluks in Bangalore, Chittledroog, Hassan, Cuddoor, and Toomcoor Districts.
- Vol. 4. Eastern Districts of Mysore, according to title; actually 14 old purgunnahs in Bangalore, Colar, Chittledroog, and Toomcoor.
- Vol. 5. Province of Chittledroog, with a map of that country. The old area.

A Collection of MEMOIRS and PAPERS containing a body of materials chronologically arranged, designed for the illustration of the general geography of the Peninsula or South of India, including the several provinces from the mouths of the Nerbudda and Mahanuddy Rivers to the parallels of Cape Comorin and of Dunder Head in Ceylon, with the coasts of Coromandel, Malabar, Canara, and Conkan, and the Island of Ceylon, comprehending the several Native Hindoo and Mahommedan States of Dekan, of Mysore &c., of Travaneore and Candia, &c., with the provinces belonging to the English East India Company. (Mackenzie MSS.) In one vol. folio, half-bound.

State and Results of the SURVEY of MYSORE in a Geographical, Statistical, and Historical view to 1st July 1807. With a map explanatory. For the Right Hon. Lord William Cavendish Bentinck, Governor, &c., &c., &c. of Fort St. George. Folio, 15 pages, unbound. MS.

\* \* "Abstracted from the memoirs and journals of the survey to give a concise view of the design."

*General Maps.*

To the Right Hon. Richard, Earl of Mornington, K. P. Governor-General, &c., &c., this—

Map of the DOMINIONS of the late TIPPOO SULTAN, exhibiting their partition among the allied powers and the Rajah of Mysore, according to the treaty of Mysore, concluded 22nd June 1799. By Colln Mackenzie, Captain, Engineers, Seringapatam, 8th July 1799. *Scale, 25 miles to 1 inch*; with a schedule of the partition of the late Tippoo Sultan's territories, showing the amount of the revenue, with the shares respectively allotted to the allies and to the Rajah of Mysore. *Size, 38 inches by 22.* MS.

FOREST MAP of MYSORE. 1871. *Scale, 8 miles to 1 inch*; *size, 33 inches by 38.*

The SOUTH-WESTERN PARTS of MYSORE. Surveyed in 1803, '4, '5. A view of the progress of the Survey. *Scale, 12 miles to 1 inch*; *size, 19 inches by 16.* MS.

Map of MYSORE, exhibiting the present Civil Divisions, with the roads existing, in progress, and proposed, travellers' bungalows, &c. No date. *Scale, 8 miles to 1 inch*; *size, 32 inches by 38.*



## MACKENZIE'S SURVEYS.

*In six parts with an Index.*

Index to a SERIES of MAPS constructed from the results of the survey of Mysore and Canara, designed as the foundation of an atlas of the provinces dependent on the Presidency of Fort St. George. October 17th, 1808. Signed, Colin Mackenzie, Superintendent, Mysore Survey. *Scale, 24 miles to 1 inch; size, 21 inches by 32.* MS.

*Part I.*

A Map of the SOUTH-WESTERN (now Ashtagram) DIVISION of MYSORE, lying on both sides of the Cauvery River, and comprehending the purgunnahs following (viz., a list of 23, with the number of inhabited and ruined villages, and the areas of the hills and plains in each purgunnah; also a reference to the schedule of the treaty of Mysore of June, 1799). Dated, Fort St. George, 1st October 1808; and signed, C. Mackenzie, Superintendent, Mysore Survey. *Scale, 2 miles to 1 inch; size, 50 inches by 63.* MS.

*Part II.*

Map of the CENTRAL DIVISION (now parts of Ashtagram, Nagar, and Nundydroog) of MYSORE, comprehending the purgunnahs following (viz., a list of 44, with the number of inhabited and ruined villages, and the areas of the hills and plains in each purgunnah). Dated, Fort George, 1st October 1808; and signed, C. Mackenzie, Superintendent, Mysore Survey. *Scale, 2 miles to 1 inch; size, 50 inches by 70.* MS.

*Part III.*

Map of the NORTHERN DIVISION of the RAJAH of MYSORE'S TERRITORIES, comprehending nearly the whole of the districts of the ancient province of Chittel Droog, from actual survey in 1800 and 1801. With a list of purgunnahs, giving the number of inhabited and ruined villages, houses, families, forts, and square miles in each purgunnah. By C. Mackenzie, Superintendent of the Mysore Survey, 4th October 1808. *Scale, 2 miles to 1 inch; size, 41 inches by 59.* MS.

*Parts IV., V.*

Map of LOWER CANARA, SOUTH DIVISION, from actual survey in 1806-1807. Executed under the direction of C. Mackenzie, Superintendent of the Mysore Survey, 30th July 1808. *Scale, 2 miles to 1 inch; in two parts; size, 9 feet by 3.* MS.

*Part VI.*

Plan of the PROVINCE of BEDENOOR (Nagar) above the Ghauts, ceded to the Rajah of Mysore, by the treaty or partition in 1799; from actual survey in 1805 and 1806. Comprehending the purgunnahs (here follows a list of 20 purgunnahs, with the number of inhabited and ruined villages, and the area of the hills and plains in each purgunnah). Dated, Fort St. George, 1st October 1805; signed, C. Mackenzie, Superintendent, Mysore Survey. *Scale, 2 miles to 1 inch; size, 58 inches by 51.* MS.

*Road Maps.*

MYSORE SURVEY, C. No. 1. The roads from near Madras, by the Pedanaig-droog Pass, to Bangalore, and thence by Sera and Chittledroog to the Toombudra River. *Scale, 2 miles to 1 inch*; on 10 sheets, with a title and contents in a cover; *size, 19 inches by 12.* MS.

MYSORE SURVEY, C. No. 2. The roads from Bangalore to Needgul, Shalloor, and Sera; and from Chittledroog to Hurryhurr. By Thos. Arthur, Assistant, Mysore Survey, 30th June 1800. *Scale, 2 miles to 1 inch*; on 5 sheets, with a title and contents in a cover; *size, 19 inches by 12.* MS.

Survey of the CROSS ROADS between HURRYHUR, HONNELLY, and BUSWAPATAM, and part of the Hurryhur Purgunnah (Shemoga district); executed from 17th July to 1st September 1800 by T. Arthur, Assistant on the Mysore Survey. *Scale, 1 mile to 1 inch*; *size, 40 inches by 25.* MS.

A Survey of some of the PRINCIPAL ROADS northward of BANGALORE, deduced from the data of Major Lambton's Trigonometrical Survey. By J. Colebrooke, Captain, Corps of Guides. 20th October 1801. *Scale, 2 miles to 1 inch*; *size, 43 inches by 20.* MS.

## I. ASHTAGRAM DIVISION.

Including the Districts of—1, Coorg; 2, Hassan; 3, Mysore.

1. *Coorg District (British).*

Reduction of the Map of the PRINCIPALITY of KUDUGU (Coorg), taken in the years 1815, '16, and '17, by Lieut. P. E. Connor, S.G.O. 1820. *Scale, 4 miles to 1 inch*; *size, 24 inches by 32.* MS.

Memoir of the SURVEY of CODUGU, commonly written Koorg, by Lieut. Conner, Surveyor, January 1820. In 2 vols., folio, half bound. MS.

2. *Hassan District.*

Map of BULLUM. By J. Colebrooke, Captain of Guides, 4th April 1802. *Scale, 2 miles to 1 inch*; *size, 29 inches by 19.* MS.

\* \* This is now Manjarabad Taluk.

Original SURVEY of NAGAMUNGALUM by Mr. Morrison, 1803. *Size, 29 inches by 25.* MS.

3. *Mysore District.*

Survey of the COUNTRY irrigated from the HANGOOD CUTTA on the LUTCHMUN TREET (Mysore District, Ashtagram Province), showing the present state of the watercourses, &c.; prepared to accompany the report of the Supt. of Maramut, 1st September 1836. *Size, 26 inches by 32.* MS.

Statistic and Geographic Map of the Purgunnahs of HURDANHULLY and TURKANAMBY, surveyed in 1804. *Scale, 2 miles to 1 inch*; *size, 25 inches by 27.* MS.

Sections through the Fort of SERINGAPATAM. *Scale, 20 feet to 1 inch*; *size, 21 inches by 13 yards.* MS.

## II. NAGAR DIVISION.

Including the Districts of—1, Chitaldroog; 2, Kadur; 3, Shimoga.

2. *Kadur District.*

Plan of AGUMBY GHAUT (Kadur District), with notes. Maramut Office in Mysore, 1840. *Scale, 15½ inches to 1 mile; size, 22 inches by 30. MS.*

3. *Shimoga District.*

Plan of HOLA HONOR, a district of Bednore (Nagar), with its villages and boundaries, &c., according to the partition of 1799. (Now in Shimoga District.) Surveyed in 1805, under the direction of C. Mackenzie, Supt. of the Mysore Survey. *Scale, 1 mile to 1 inch size, 21 inches by 24. MS.*

Plan of the PURGUNNAH of SHEE MOGGA, a district of Bednore, with its boundaries, villages, &c. Surveyed in September 1805. C. Mackenzie, Supt. Mysore Survey. *Scale, 1 mile to 1 inch; size, 29 inches by 34. MS.*

MYSORE SURVEY, A. No. 2. The frontier of the Rajah of Mysore's Territories, with the Mharattas and the Nizam, extending from near Honelly to Hoolall, including part of the course of the Toombuddra River, the Purgunnah of Hurryhurr, and part of Honelly, Baswapatam, and Harponelly. Surveyed by Capt. C. Mackenzie, and Assistants, from 1st July to 1st Sept., 1801. Signed, C. Mackenzie, Capt. Supt. Mysore Survey. Now part of Sheemoga District in Mysore, and of Bellary in Madras. *Scale, 1 mile to 1 inch; size, 27 inches by 53. MS.*

## III. NUNDYDROOG DIVISION.

Including the Districts of—1, Bangalore; 2, Kolar; 3, Tumkur.

Statistic and Geographic Plan of BALLAPORE and DEONELLY. (Taluks in Bangalore and Colar Districts). By Mr. Mather. *Scale, 1 mile to 1 inch; size, 42 inches by 35. MS.*

1. *Bangalore District.*

Plan of the CANTONMENT of BANGALORE. *Scale, 300 feet to 1 inch; size, 34 inches by 28. MS.*

Survey of the BOUNDARIES of the PURGUNNAH of BANGALORE, by James Ross, from 4th April to 5th May 1800, under the direction of C. Mackenzie, Capt. Supt. Mysore Survey. *Scale, 2 miles to 1 inch; size, 26 inches by 21. MS.*

Statistic and Geographic Plan of the PURGUNNAH of BANGALORE, according to the partition. Surveyed in 1806, from September 8th to October 16th, the geometrical survey by Michael Dunnigan, &c. C. Mackenzie, Superintendent Deputy Surveyor-General's Office, Madras, 1832. *Scale, 1 mile to 1 inch; size, 48 inches by 43. MS.*

BANGALORE BARRACKS, &c., 1873 :—

1. Block Plan of Fort of Bangalore, on 1 sheet.
2. Plan of the Fort of Bangalore, on 6 sheets.
3. Block Plan of Royal Artillery Barracks, on 1 sheet.
4. Plan of                   "                   "                   "                   " on 1 sheet.

5. Block Plan of Royal Horse Artillery Barracks, on 1 sheet.
6. Plan of " " " " on 4 sheets.
7. Block Plan of Sapper Barracks, on 1 sheet.
8. Plan of " " " " on 2 sheets.
9. Block Plan of Barracks for one regiment of Infantry at Bangalore, on 1 sheet.
10. Plan of " " " " " " on 6 sheets.
11. Block Plan of Bakery and Lower Infantry Square at Bangalore, on 1 sheet.
12. Plan of " " " " " " on 2 sheets.
13. Block Plan of Race Course Barrack for one regiment of Cavalry and two batteries of Artillery at Bangalore, on 2 sheets.
14. Plan of Race Course Barrack for one regiment of Cavalry and two batteries of Artillery at Bangalore, on 15 sheets.

**BANGALORE BARRACKS.** Plans and Sections of proposed improvements and additions to be made to the present Dragoon Barracks at Bangalore, to adapt it for a regiment of European Infantry. *Size, 27 inches by 69.* MS.

**BANGALORE BARRACKS, &c.** Plan and Section of Quarters proposed to be built for 50 married men and 2 married serjeants of European Regiments at Bangalore. 1843. *Size, 10 inches by 33.* MS.

Plan and Section of a row of 50 Married Privates' Quarters, with out-houses and gardens, proposed to be erected in the Dragoon Barrack Enclosure at BANGALORE. 1855. *Size, 13 inches by 48.* On tracing cloth. MS.

No. 2. Plan, Elevations, and Section of a Hospital proposed to be erected at BANGALORE. *Size, 26 inches by 39.* MS.

No. 4. Plan and Sections of a Riding School proposed to be erected at BANGALORE. 1844. *Size, 21 inches by 29.* MS.

No. 7. Plan and Sections and Elevations of one of the Dragoon Barrack Ranges at BANGALORE, showing the proposed improvements, &c. 1855. *Size, 24 inches by 32.* On tracing cloth. MS.

No. 11. Plan, Elevations, and Sections of a Church proposed to be erected at BANGALORE. 1844. *Size, 21 inches by 29.* MS.

## 2. Kolar District.

Map of the PURGUNNAH of COLAR in MYSORE, according to the partition of 1799. Surveyed by John Warren, Lieutenant 33rd Regiment. *Scale, 1 mile to 1 inch; size, 62 inches by 48.* MS.

Statistic and Geographic Plan of the PURGUNNA of LITTLE BALLAPOOR or NUNDYGOODY in MYSORE. Surveyed in 1802 by John Mather. *Scale, 1 mile to 1 inch; size, 37 inches by 48.* MS.

## 3. Tumkur District.

Statistic and Geographic Map of the PURGUNNAH of SERA. Surveyed in 1806 by J. Summers and Wm. Lantwar; C. Maekenzie, Superintendent. *Scale, 1 mile to 1 inch; size, 36 inches by 45.* MS.

## X. ASSAM.

A Chief Commissionership, including the Districts of—1, Cachar; 2, Sylhet; 3, Goalpara; 4, Kamrup (Gauhati); 5, Darrang; 6, Nowgong; 7, Sibsagar; 8, Lakhimpur; 9, Garo Hills; 10, Khasi and Jaintia Hills; 11, Naga Hills.\*

*General Maps.*

Map of the COUNTRIES lying between  $21^{\circ}$  and  $30^{\circ}$  NORTH LATITUDE and  $90\frac{1}{2}^{\circ}$  and  $99^{\circ}$  EAST LONGITUDE, showing the Sources of the Irawadi River and the Eastern Branches of the Brahmaputra, comprising Assam and Munipoor, the Hilly Districts of the Singphos, part of Sham, and of the Chinese Provinces of Yunyan and Thibet. (1828. By Lieut. R. Wilcox, B.N.I.) *Scale, 16 miles to 1 inch; size, 40 inches by 38. MS.*

The same Map reduced to a scale of 32 miles to 1 inch; *size, 26 inches by 20.*

Map of the COUNTRIES lying between  $21\frac{1}{2}^{\circ}$  and  $29\frac{1}{2}^{\circ}$  NORTH LATITUDE and  $90^{\circ}$  and  $98^{\circ}$  EAST LONGITUDE, showing the Sources of the Irawadi River and the Eastern Branches of the Brahmaputra, comprising Assam, Muneepore, the Hilly Districts of the Singphos, part of the Sham, and of the Chinese Provinces of Yunan and Thibet. By Lieut. R. Wilcox, B.N.I. 1828. *Scale, 16 miles to 1 inch; size, 36 inches by 34.*

Topography of ASSAM. By John M'Cosh, Calcutta. 1837. 8vo. Sewed.

Map of UPPER ASSAM, comprising the Districts of Joorhat, Luckimpore, and Sudiya, showing the Tea Tracts discovered by Mr. C. A. Bruce, Superintendent of Tea Culture to the Honble. East India Company in Assam; also the Roads proposed to be opened from Sudiya to the Booree Dihing. By J. B. Tassin. 1839. *Scale, 4 miles to 1 inch; size, 36 inches by 60. Mounted in a case.*

Map of the TEA DISTRICTS of ASSAM. Compiled in the office of Col. Henry Hopkinson, Commissioner and Governor-General's Agent. North-eastern Frontier. 1863. *Scale, 4 miles to 1 inch; on 5 sheets; size of each, 40 inches by 25.*

Map shewing all the TEA LOCALITIES worked by the Assam Company in the Jorehut and Muttuck Districts of Upper Assam. Compiled from the latest surveys. 1843. Asiatic Litho. Press, Calcutta. *Size, 26 inches by 34. Folded in a case.*

Geographical Sketch of ASSAM, by Dr. Wade, in 1798. The original and a copy. Fcap. MSS.

The PROVINCE of ASSAM, constituting the Chief Commissionership under Orders of the Government of India in the Home Department, No. 380, dated 6th February 1874. With the adjoining districts and Native States, 1874. *Scale, 8 miles to 1 inch; on  $6\frac{1}{2}$  sheets.*

*Northern Frontier. Duffla Expedition.*

Part of the NORTHERN FRONTIER of ASSAM, comprising portions of the Districts Darrang, Lakhimpur, and Sibsagar. Prepared for the use of the Duffla Expedition, in the Office of the Surveyor General of India, Calcutta. September 1874. *Scale, 4 miles to 1 inch; size, 57 inches by 36.*

\* Cachar and Sylhet are in the Surma valley; Darrang, Goalpara, Kamrup, Lakhimpur, Nowgong, and Sibsagar are in the Brahmaputra valley; and between the two valleys are the Garo, Khasi, Jaintia, and Naga Hills.

Part of the DUFLA HILLS, on the Northern Frontier of Assam. All north of the boundary line surveyed by Major H. H. Godwin Austen, B.S.C., F.R.G.S., &c., assisted by Lieut. H. J. Harman, R.E., Mr. M. J. Ogle, and Mr. W. Robert.

### *Burmese Frontier.*

Selection of Papers regarding the Hill Tracts between ASSAM and BURMAH, and on the UPPER BRAHMAPUTRA. 1873. 8vo., stiff cover.

#### CONTENTS:—

1. Wileox's Memoir of a survey of Assam and frontiers in 1825–28.
2. Pemberton's Abstract of Hannay's Journal of route from Ava to Hookoong in 1835–36.
3. Griffith's trip to the Mishmi Mts. in 1836.
4. Griffith's journey from Upper Assam towards Hookhoom, Ava, and Rangoon in 1836.
5. Bayfield's journey from Ava to frontier of Assam and back in 1836–37.
6. Jenkins' trip across the Patkoi Mts. in 1869–70.
7. Jenkins' notes on Burmese route from Assam to Hookoong.
8. Veitch's visit to the Singpho and Naga frontier of Luckimpore in 1842.
9. Brodie's dealings with the Nagas on the Sebsaugor frontier in 1841–46.
10. Peal's visit to the Hill tribes south of Sebsaugor.

### 1. *Cachar District.*

Six Manuscript Maps of CACHAR. 1831 to 1833. Folded and half-bound in one volume, folio.

#### CONTENTS:—

1. A sketch of Cachar, compiled from a native map, with a list of heights from Lieut. Fisher's Surveys. Survey Office, Lower Assam, May 1831. *Scale, 8 miles to 1 inch; size, 28 inches by 21.* MS.
2. Sketch Map showing a part of the Eastern Boundary of Cachar, and the form proposed to be granted to Gumbheer Sing. (Surveyed by J. Jenkins, Capt. 47th.) *Scale, 4 miles to 1 inch; size, 16 inches by 21.* MS.
3. Map of Southern Cachar, compiled from various surveys and reports, by Lieut. J. Fisher, D.A.Q.M.G. *Scale, 2 miles to 1 inch; size, 38 inches by 38.* MS.
4. Sketch of country between Kaehar and Muneepoor, with three routes to Muneepoor, and the boundary between Kaehar and Muneepoor proposed by Lieut. Boileau Pemberton, July 1832. *Scale, 4 miles to 1 inch; size, 22 inches by 28.* MS.
5. Sketch of proposed line of road from Sylhet to Banshandee in Kachar, enlarged from Lieut. Fisher's Survey, by Lieut. R. Boileau Pemberton. *Scale, 2 miles to 1 inch; size, 22 inches by 36.* MS.
6. Route of the division under the command of Brigadier-General J. Shuldham, from Sylhet to the right bank of the Jiree Nuddee. Surveyed by Lieuts. B. Browne and R. B. Pemberton. *Scale, 2 miles to 1 inch; size, 44 inches by 21.* MS.

Revenue Survey Map of the DISTRICT of CACHAR. Surveyed in 1841–'42, by Lieut. H. Thuillier, Revenue Surveyor. *Scale, 1 mile to 1 inch; size, 36 inches by 43.*

DISTRICT of CACHAR. 1864 to '68. Lower Provinces Revenue Survey. Surveyed by Mr. N. T. Davey, Deputy Superintendent, and assistants. *Scale, 1 mile to 1 inch; on 7 sheets; size of each, 24 inches by 34; with a separate Index; price 14s.*

DISTRICT CACHAR. 1865 to '68. *Scale, 4 miles to 1 inch ; size, 27 inches by 20 ; price 4s.*

CIVIL STATION and CANTONMENT of SILCHAR. District Cachar, surveyed on January 1867. *Scale, 12 inches to 1 mile ; on 2 sheets ; size complete, 40 inches by 32 ; price 4s.*

### *Lushai Expedition.*

Photographs of Sketches in LUSHAI COUNTRY. To accompany the Narrative Report of No. 6 Topographical Party, Khasia and Garo Hills Survey, under charge of Captain W. F. Badgley, B.S.C., Deputy Supt. of Topog. Surveys attached to the Cachar Column of the Lushai Expeditionary Force. Nine plates by Lieut. R. G. Woodthorpe, R.E.; six plates by Lieut. E. P. Leach, R.E. Feap.

### *2. Sylhet District.*

Memoir of a Survey of the SOUTHERN PART of SILHET made in the years 1821 and 1822, by order of His Excellency the Marquis of Hastings, K.G. By Lieut. Thomas Fisher, 24th Regiment, N.I., Surveyor. MS. 47 *pages foolscap folio.*

Map of part of the DISTRICT of SILHET, made in the years 1821, 1822. By order of His Excellency the Most Noble the Marquis of Hastings, K.G., G.C.B., &c., &c., Governor-General of India, by Lieut. T. Fisher, 24th Regiment, N.I. *Scale, 4 miles to 1 inch ; size, 28 inches by 35. MS.*

Sketch of that part of SILHET, which borders on CACHAR and TIPPERAH. By Lieut. T. Fisher, 24th Regiment, N.I. 1822. *Scale, 4 miles to 1 inch ; size, 21 inches by 30. MS.*

ROUTE of the DIVISION under the Command of BRIGADIER GENERAL T. SHULDAM, from SYLHET to the right bank of the JIREE NUDDEE. Surveyed by Lieut. B. Browne and Lieut. R. Boileau Pemberton. 1825. *Scale, 2 miles to 1 inch ; size, 48 inches by 22. MS.*

Original Map of SILHET, for the Hon. Court of Directors. Surveyed by Lieut. T. Fisher, 48th Regiment, N.I., Surveyor. 1828. *Scale, 4 miles to 1 inch ; on 2 sheets ; size of each, 29 inches by 25. MS.*

Map of the ROUTE from SOWARA to SYLHET. Surveyed by Lieut. T. Fisher. 1829. *Scale, 16 miles to 1 inch ; size, 13 inches by 12. MS.*

Map of ROUTES between SILHET and SOWARA. Surveyed and drawn by Lieut. T. Fisher. 1829. *Scale, 4 miles to 1 inch ; size, 24 inches by 35. MS.*

Lower Provinces Revenue Survey, DISTRICT SYLHET. Surveyed in 1838 to '40, by Lieut. H. L. Thuillier, Revenue Surveyor, and in 1865, '66, by N. T. Davey, Esq., Revenue Surveyor and Assistants. *Scale, 1 inch to 1 mile : on 11 sheets, with an Index Map separate ; size of each sheet, 40 inches by 30 ; price 33s.*

DISTRICT SYLHET. 1860 to '65. *Scale, 4 miles to 1 inch ; size, 26 inches by 34 ; price 4s.*

Also a photographed copy.

Revenue Survey Map of the DISTRICT of JYNTEAH, attached to ZILLAH SYLHET. Surveyed by Lieut. H. L. Thuillier, Bengal Artillery, in 1838, '39, and '40. *Scale, 1 mile to 1 inch; size, 27 inches by 49.*

Map of the TOWN of SYLHET. Surveyed in 1863. Under the superintendence of Colonel H. L. Thuillier, F.R.S., Surveyor General, by N. T. Davey, Esq., Deputy Superintendent of Survey, and Assistants. *Scale, 12 inches to 1 mile; size, 27 inches by 40; price 2s.*

### 3. Goalpara District.

DISTRICT GOALPARA, Lower Assam (transferred to Cooch-Behar Division in 1867–8). 1849 to 1854. *Scale, 4 miles to 1 inch; size, 30 inches by 40. MS.*

The same, lithographed and published. *Price 4s.*

EAST DOOARS, District GOALPARA. 1868 to '69. *Scale, 4 miles to 1 inch; size, 26 inches by 34; price 4s.*

### 4. Kamrup District.

Survey of GWAHATTY in Assam, and of the adjacent country, showing the situations of the different Chokies intended for the protection of the place. By Ensign Thomas Wood, Bengal Engineers, Surveyor with Capt. Welsh's Detachment. 1794. *Scale,  $1\frac{1}{2}$  mile to 1 inch; size, 20 inches by 24. MS.*

STATION of GOWHATTY and its ENVIRONS, District Kamroop. 1868–69. *Scale, 6 inches to 1 mile; size, 22 inches by 30.*

LOWER PROVINCES REVENUE SURVEY, District Kamroop. *Scale, 1 mile to 1 inch; on 14 sheets, of which sheets 1 to 10 are published; size of each, 26 inches by 36.*

### 5. Darrang District.

Route from GWAHATTY to KOLLTAH KOOSY, on the borders of Bootan; as likewise along part of the boundary of Assam and Bootan. Surveyed in February 1793. By Ensign Wood, Bengal Engineers, Surveyor with Capt. Welsh's Detachment. *Scale,  $1\frac{1}{2}$  inch to 1 mile; size, 20 inches by 48. MS.*

Map of DURUNG and CHATGAREE (North of the Brahmaputra), in Assam, by Lieut. R. G. Bedingfield, Officiating Revenue Surveyor. 1828. *Scale, 4 miles to 1 inch; size, 16 inches by 24. MS.*

CANTONMENT, CIVIL STATION, and ENVIRONS of TEZPOOR, Mouzah Mahaboirubi, District Durrung, Assam. Surveyed in Season 1871–72. *Scale, 6 inches to 1 mile; size, 21 inches by 30.*

### 6. Nowgong District.

DISTRICT NOWGONG, Central Assam. 1835, '36, and '37. *Scale, 4 miles to 1 inch; size, 27 inches by 40; price 2s.*

DISTRICT NOWGONG. Assam Revenue Survey. *Scale, 1 mile to 1 inch; sheets, 5, 9, 12, 13; size of each, 40 inches by 27.*



**DISTRICT NOWGONG, 1869-72.** Assam Revenue Survey.  
*Scale, 1 mile to 1 inch. To be completed in 13 sheets, of which Nos. 1, 2, 3, 4, 7, 8, 11, are published; size of each, 40 inches by 27. With an Index Map; size, 40 inches by 27.*

### 7. *Sibsagar District.*

Map of the **DISTRICT of SEEBPOOR** (or Seeksagur), Upper Assam. Surveyed by Mr. J. Thornton, Revenue Surveyor, in 1839, '40, '41, '42.  
*Scale, 4 miles to 1 inch; size, 27 inches by 32; price 4s.*

**DISTRICT SEEBSAUGUR, 1862 to '72.** *Scale, 1 mile to 1 inch; on 11 sheets; size of each, 40 inches by 27.*

**DEBROOGURH, CANTONMENT, CIVIL STATION, and ENVIRONS. 1867-68.** *Scale, 6 inches to 1 mile; size, 22 inches by 30.*

**SUDDIA CANTONMENT and ENVIRONS. 1869-70.** *Scale, 6 inches to 1 mile; size, 26 inches by 30.*

### 8. *Lakhimpur District.*

Map of **NORTH-EAST ASSAM**, showing the Positions of the Military Posts on the Singpho Frontier. 1843. *Scale, 8 miles to 1 inch; size, 22 inches by 28. MS.*

Sketch of the **COUNTRY eastward of RUNGPORE**, in Assam. By Lieut. J. B. Neufville, D.A.Q.M.G. 1825. *Scale, 4 miles to 1 inch; size, 23 inches by 28. MS.*

**DISTRICT LUCKIMPOOR, 1866-73.** *Scale, 1 mile to 1 inch; on 15 sheets, with an Index Map; size of each, 27 inches by 40.*

### 9. *Garo Hills District. See Khasi and Jaintia District.*

**FIELD BOOK of the SURVEY of the GARROW HILLS and the country between them and the Berhampooter**, for the months of October, November, December 1817, and January 1818. By Lieut. J. A. Schulch, Surveyor. *Foolscap folio half bound. MS.*

### 10. *Khasi and Jaintia Hills District.*

**COSSYAH and GARROW HILLS (Khasia and Garo) Topographical Survey.** (NOTE.—Cossyah is in Assam Province, Garrow is in Cooch-Bihar Province.) Photozincographed edition. *Scale, 1 mile to 1 inch; to be completed in 37 sheets; size of each, 24 inches by 36; price 2s. each.* The following are published:—

Nos. 11, part of 12 and 13 on one sheet, 15, 16, 17, 21, 22. Also the second edition of 16 and 17 on one sheet.

The same reduced to a scale of 2 miles to 1 inch. Nos. 7, 8, 9, 10, 11, 12, 14, 16 and 17 on one sheet, 18, 19, 23, 24, 25, 26, 27, and 28 on one sheet, 32, 33 and 34 on one sheet, 37, 38, 39.

Index to the sheets of the Cossyah and Garrow Hills Survey. *Scale, 32 miles to 1 inch; size, 16 inches by 24; price 6d.*

Sketch of the **COSSYA INDEPENDENT ESTATES**, constructed from Surveys and other information, by Lieut. T. Fisher, D.A.Q.M.G. 1829. *Scale, 8 miles to 1 inch; size, 23 inches by 18. MS.*

Survey of Part of the COSSYA HILLS (from Cherra Poonjel, South-eastward to the Butrai or Walingtia River), to illustrate a Report, &c., by 2nd Lieut. H. Yule, Engineers. 1843. *Scale, 2,000 feet to 1 inch; size, 28 inches by 23.* Accompanied by 17 plates.

Plates 2 to 4. Vertical Sections.

„ 5. Sketch of Part of the South Frontier of the Cossya Hills.

„ 6 to 18. Sections of widened Planes, Tramway, &c.

### 11. *Naga Hills District.*

Report on the Survey of the Boundary between MUNIPUR and the NAGA HILLS Tract, with a rough preliminary Map of portions of the Naga and MUNIPUR HILLS surveyed in the Field Season 1872-73, by Major H. H. Godwin-Austen, Deputy Superintendent of Survey, &c., to accompany Narrative Report of 1872-73. *Size, 30 inches by 24.* Fep. folio, sewed.

Report of the Survey of the Boundary between MUNIPUR and the NAGA HILLS Tract. By Major H. H. Godwin-Austen, F.R.G.S., &c. Calcutta, 1873. Fcap., sewed, 12 pages and map.

## XI. MUNIPUR AGENCY.

Map of the TERRITORY of MUNEEPOOR, with part of the Kubo Valley and Burmese Frontier. By Capt. R. Boileau Pemberton, 1834. *Scale, 4 miles to 1 inch; size, 47 inches by 36.* MS.

The same, lithographed by J. B. Tassin, Calcutta.

Map of ROUTES surveyed in SYLHET and MUNIPOOR, between Banskandee and the Ningthee or Kyan Duan River. By Lieut. R. B. Pemberton, 44th Regiment, N. I., Surveyor. (1827.) *Scale, 4 miles to 1 inch; size, 27 inches by 34.* MS.

FIELD BOOK of a SURVEY in MUNEEPOOR, by Lieut. R. B. Pemberton. From 6th December 1827 to 6th December 1828. Foolscap folio half-bound. MS.

MEMOIRS and JOURNALS of SURVEYS in MUNNIPOOR, by Lieut. R. B. Pemberton, 44th Regiment, N. I. 1827. Foolscap folio, half-bound. MS.

Map of the VALLEY of MUNEEPOOR, and SURROUNDING COUNTRY, by Lieut. R. Boileau Pemberton, Surveyor, 44th Regiment, B. N. I. (1827.) *Scale, 4 miles to 1 inch; size, 32 inches by 23.* MS.

Route from MUNEEPOOR to the NINGTHEE or KYENDUEN RIVER, by Lieut. R. Boileau Pemberton, Surveyor of Eastern Frontier. *Scale, 4 miles to 1 inch; size, 27 inches by 21.* MS.

A Geographical Sketch of the KUBO VALLEY, by Lieut. R. Boileau Pemberton, Surveyor of Eastern Frontier. 1829. *Scale, 4 miles to 1 inch; size, 30 inches by 22.* MS.

Statistical Account of the Native State of MANIPUR and the HILL TERRITORY under its rule. By R. Brown, F.R.C.S.E. 1873. Calcutta, 1874. 8vo., stiff cover.

## XII. BRITISH BURMA.

Including three Divisions, viz.—Arakan, Pegu, Tenasserim.

### *General Maps.*

This New Map of BURMA and REGIONS ADJACENT is inscribed to Sir Roderick I. Murchison, P.R.G.S., &c., &c. &c., by H. Yule, Capt. Beng. Eng., London, 1857. *Scale, 32 miles to 1 inch; size, 36 inches by 26; price 4s.*

A Sketch Map of the SOUTHERN PART of BURMAH PROPER, with the adjoining British Provinces of Arracan and Tenasserim, extending from Chittagong to Tenasserim. Compiled in the Surveyor General's Office from existing materials, including a recent sketch constructed by Mr. A. Hobday, under the superintendence of Captain Henry Hopkinson. March 1852. *Scale, 16 miles to 1 inch; size, 48 inches by 38.*

\* \* With a table of the estimated road distances, between some of the principal places in the Burmese Empire.

CHINA ROUTE SURVEY, by Captains J. M. Williams and C. H. Luard, in 4 sheets.

1. Map of the Country between Rangoon and the British Frontier, showing the Routes examined in 1867. *Scale, 8 miles to 1 inch; size, 34 inches by 26.*
2. Vertical section of the Shwaygeen Route. *Scale, 1 mile to 1 inch.*
3. Cross section of the Sittang River.
4. Cross sections of the Yonzaleen and Beeling Rivers.

The CENTRAL PART of BRITISH BURMAH, with the Shan Provinces of Burmah and Siam, to illustrate the journals of Capt. W. C. McLeod and Dr. Richardson, and of subsequent explorers. By Trelawny Saunders, London, 1870. *Scale, 32 miles to 1 inch; size, 20 inches by 18.*

Sketch Map, showing the distribution of the FORESTS of BRITISH BURMAH, and the present and proposed boundaries of the Forest Divisions and of the Government Forests, or areas subjected to the forest rules. W. J. Seaton, Captain, Conservator of Forests, British Burmah. 1875. *Scale, 16 miles to 1 inch; size, 30 inches by 22.*

### I. ARAKAN DIVISION.

Including the three Districts of—1, Akyab; 2, Kyaukpyoo; 3, Northern Arakan; 4, Sandoway.

#### 1. *Akyab District.*

DISTRICT AKYAB, 1853 to 1861, British Burmah Revenue Survey. *Scale, 4 miles to 1 inch; size, 54 inches by 38. MS.*

The same, lithographed and published. *Price 6s.*

MILITARY CANTONMENTS, TOWN, and SUBURBS of AKYAB, 1853–54. *Scale, 12 inches to 1 mile; size, 25 inches by 36.*

AKYAB JAIL, 1856. Plans, Sections, and Elevations. *On 6 sheets, size of each, 18 inches by 25. On tracing paper and tracing cloth. MSS.*

An EYE SKETCH of the KOLANDYNE RIVER (Akyab District). Drawn by Charles Montriou, H. C. Flotilla Service. *Scale, 1 mile to 1 inch; size, 31 inches by 23. MS.*

2. *Kyouk-pyoo District.*

MAIN CIRCUITS, Nos. 1 and 2. Townships RAMREE and KYOUKPHYOO, District Ramree. 1868-70. *Scale, 1 inch to 1 mile; on 2 sheets; size of each, 31 inches by 44.*

The THONGHOO (or Toungoop) ROAD. Route from Thonghoo to Prome. Surveyed by Lieut. Browne and Mr. Macan. 1826. No title. *Scale, 4 miles to 1 inch; size, 17 inches by 27.* MS.

Map of the ROUTE of the 18th REGT. MADRAS N.I., across the mountains from Pakang Yeh on the Irrawadie, to Aeng on the coast of Arracan, during the months of Mareh 1826. By Lieut. T. A. Trant, Dept. Assist. Q.M. General. S.G.O. Calcutta, 1826. *Scale, 2 miles to 1 inch; size, 37 inches by 38.* MS.

Plan of the ROUTE of a DETACHMENT from the BRITISH Army in Ava, from Pakang Yeh to Aeng, during the month of Mareh 1826. (By Lt. Trant.) S.G.O. Calcutta, 1828. *Scale, 2 miles to 1 inch; size, 37 inches by 38.* MS.

Sketch of the ROUTES from SHEMBEGWEN and MEMBOO across the YOMA MOUNTAINS to AENG in ARRACAN. By Lieut. Trant, with corrections and additions by Lieut. Boileau Pemberton, Surveyor of Eastern Frontier. S.G.O. Calcutta, 1831. *Scale, 2 miles to 1 inch; size, 27 inches by 38.* MS.

Contributions to a Map of the ARRACAN FRONTIER, put together in illustration of a report by H. Yule, Lieut. Bengal Engineers. 1853. (With a note on the revision of the longitudes between the Bay of Bengal and the Irrawadi River.) *Scale, 3 miles to 1 inch; size, 38 inches by 59.* MS.

Rough plan of the AENG PASS, by Captain W. F. Nuthall, Chief Engineers Office, Fort William, August 1852. *Scale, about 3½ miles to 1 inch; size, 26 inches by 19.* MS.

DEFENCES of the AENG PASS (Arracan Frontier), in 22 plates, copied from the originals, signed H. Yule, Lt. Engineers, in the Chief Engineer's Office, Fort William, October 1853. *Size of each, about 18 inches by 11.* MSS.

CONTENTS.

Plate 1. View of the Valley of the Aeng river, and the post of Bokhyong, looking westward from a knoll near the commencement of the Padang pass. 2. Semi-panoramic view of the Yoma Range from the shoulder of Khandiot overlooking Bokhyong. 2. Plan of Bokhyong. 3, 4, 5. Projected Stockade. 6. Thurowa in the Aeng Pass. 7. View of Thurowa from the South. View of the Guard house at Yogyee. 8. Wadat in the Aeng Pass. 9, 10. Blockhouse. 11. Sketch of the crest of the Aeng Pass. 12. Projected Guard house. 13. Situation of Naragain. 14. Blockhouse and Stockade at Naragain. 15, 16, 17, 18, 19. Details of buildings at Naragain. 20. View of the Stockade at Naragain. View of Naragain Hill and Wadah from the S.W. 21. Passage of Aeng River. 22. Passage of Mace River.

*Journals.*

Journal of a ROUTE ACROSS the MOUNTAINS from Padang Mew in Ava to Tonghoo in Arracan, by Lieut. R. Browne, Artillery Survey Department; from the 23rd March to the 2nd April 1826. *On 28 pages, foolscap folio, stiff cover.* MS.

Journal of the MARCH of the DETACHMENT of the 18th MADRAS NATIVE INFANTRY, from Pakang Yeh to Aeng, by Lieut. Trant, of H.M. 95th Regiment. 1826. *On 40 pages, foolscap folio, stiff cover.* MS.

3. *Northern Arakan District.*

Map of DISTRICT HILL TRACTS, NORTH ARAKAN, showing the new boundaries laid down by the Chief Commissioner, 16th May 1871. By R. F. St. Andrew St. John, Superintendent of Hill Tribes. *Scale, 4 miles to 1 inch; size, 28 inches by 10.*

4. *Sandoway District.*

See Capt. Fitzroy's Map of Pegu Division.

## II. PEGU DIVISION.

Including the five Districts of—1, Bassein; 2, Henzada; 3, Prome; 4, Rangoon; 5, Thayetmyo.

*General Maps.*

A Map of a part of the KINGDOM of AVA (PEGU), including the opposite coasts of Pegue and Martaban. By P. W. Grant, Captain, Survey Department. Copied in the S. G. O., Calcutta, January 1827. With Geodetical Remarks. *Scale, 8 miles to 1 inch; size, 53 inches by 34.* MS.

PROVINCE of PEGU, compiled by Lieut. E. C. S. Williams, Engineers, and Officers of the Pegu Survey Department, from all available information. December 1855. *Scale, 8 miles to 1 inch; size, 38 inches by 45; price 8s.*

Geological Sketch Map of the CENTRAL and NORTH EASTERN DISTRICTS of PEGU. Signed, J. McClelland, Officiating Superintendent of Teak Forests, Pegu. Dated, Rangoon, 10th November 1855. *Scale, 8 miles to 1 inch; size, 29 inches by 25.* MS.

BRITISH BURMAH, PEGU DIVISION. Topographical Map in 4 sheets, by Ferdinand FitzRoy, 2nd Capt. Royal Artillery. April 1862. *Scale, 4 miles to 1 inch; size of each sheet, 29 inches by 40; price 8s.*

\* \* Sheets 1 and 2 were published from Captain Fitzroy's drawings in 1864. Sheet 3 was compiled by Captain Edgcome, partly from Captain Fitzroy's work, and published in 1868. A later edition of this sheet, bearing the same dates, is endorsed with the following note:—"The British boundary properly goes as far as the range of mountains constituting the watershed between the Pong-toung and Salween Rivers. (Signed) A. Phayre, Chief Commissioner, British Burmah, 16th February, 1870." Sheet 4 was commenced by Captain Fitzroy, completed by Captain Edgcome in 1866, and lithographed in 1867.

\* It should be understood that Sir A. Phayre's note relates to the Karen territory, which was treated as independent, when the boundary between the British acquisitions and the kingdom of Burmah was defined along a line commencing at its western end in  $19^{\circ} 39'$ , and ending in  $19^{\circ} 27'$  north latitude. On reaching the Karen hills, the boundary was deflected from  $19^{\circ} 27'$ , and carried south-eastward along the margin of the highland to the Salween river at its confluence with the Pah. Thus a wedge of independent Karen territory, about 80 miles wide on the parallel of  $19^{\circ} 27'$ , was permitted to extend southward for about 50 miles, between the British and Siamese boundaries. Sir A. Phayre's note would reduce this wedge to a width of about forty miles, leaving the remainder, however, no longer under a petty hill tribe, but subject to the more powerful kingdom of Burmah.

Since the foregoing paragraph was written the Western Karennee Boundary Expedition, in 1876, surveyed a boundary line commencing at Sauau, a hill in  $19^{\circ} 23' 30''$  N. and  $96^{\circ} 53'$  E. The line was carried eastward on the same parallel to Preusok, a hill in  $97^{\circ} 3' 20''$  E., and thence zigzag to a point on the Nampay River (near Mobyay) in  $97^{\circ} 14'$  E. and  $19^{\circ} 41' 30''$  N. It will be observed that the Sauau and Preusok line is  $3\frac{1}{2}$  geographical miles south of the Anglo-Burmese boundary, which was meant to be in  $19^{\circ} 30'$ , but actually runs irregularly as already described. It is also obvious that the new boundary terminates at present abruptly, and that about 30 or 40 miles remains to carry it to the Salween. See Karennee Boundary maps, page 307.

*Karennee Boundary.*

Sketch Map of WESTERN KARENNEE, BURMAH. Surveyed with chain and compass by Mg. Shwaylin and Mg. Kya. May 1876. R. O. Lloyd, Lient., Royal Engineers, in charge of Survey Party, West Karennee Boundary Expedition. *Scale, 4 miles to 1 inch; size, 28 inches by 26.* (Showing the route of the party.)

Sketch Map of WESTERN KARENNEE, BURMAH. February 1876. *Scale, 1 mile to 1 inch; on 2 sheets, size, 33 inches by 40.* (With the West Karennee boundary line coloured.)

*Route Maps.*

Chart showing the ROUTE pursued by BOATS from BASSEIN to RANGOON by the Rivers; Compiled from Observations by Robert Moresby, 1st Lieut. Honourable Company's Cruiser, Mercury. S. G. O. Calcutta, 25th May 1826. *Scale, about 3 miles to 1 inch; size, 16 inches by 28.*

Sketch to accompany REPORT on ROUTE between HENZA-DAH (on the Irrawaddy) and AINGTHABIEW (on the Bassein river); traversed during the month of April 1854: Signed, E. C. S. Williams, Lieut., Superintendent of Survey of Pegu. *Scale, 2 miles to 1 inch; size, 21 inches by 27.* MS.

Map to illustrate the PROPOSED LINE of ROAD from PROME to RANGOON. Surveyed and drawn by C. Scott, Lieut., Madras Engineers, and F. T. Pollok, Ensign 8th Regiment M. N. I. No date. *Scale, 4 miles to 1 inch; size, 36 inches by 27.*

Routes from TOUNGO to PROME and MEADAY, on the IRRAWADDY and from TOUNGO northwards, towards AVA, as far as the British Boundary. 1855. No title. *Scale, about 2 miles to 1 inch; size, 26 inches by 40.* MS.

*4. Rangoon District.*

Plan of RANGOON (Town). Signed, R. Baird Smith, Lieut.-Col. *Scale, 1,000 feet to 1 inch; size, 30 inches by 37.* MS. trace.

Survey Sketch. TRIANGULATION of the RANGOON RIVER from Panlang Creek to Bogyot, a short distance below the entrance of the Pegu river. From the Superintendent of Topographical Surveys Office. Signed, R. Baird Smith. *Scale, 2 inches to 1 mile; size, 20 inches by 18.* No title. MS. trace.

RANGOON BARRACKS, &c.:—

1. Title sheet of Fitzroy's Map of Pegu, containing Rangoon.
2. Plan of the Cantonment of Rangoon.
3. Plan of Royal Artillery Lines.
4. „ Infantry Lines.

*5. Thayetmyo District.*

THAYETMYO BARRACKS, &c.:—

1. Sheet No. 4 of Fitzroy's Map of Pegu, containing Thayetmyo.
2. Plan of the Cantonment of Thayetmyo, 1869.
3. Key Plan, sheet No. 1, European Infantry Barracks.
4. European Infantry Barracks, sheet No. 1, on 6 sheets.
5. Key Plan, sheet No. 2, Royal Artillery Barracks.
6. Sheet No. 2, Royal Artillery Barracks, on 4 sheets.

\* \* \* See also "Statistical and Historical Account of the District of Thayetmyo by Lt.-Col. Horace Albert Browne, Dep. Com. 1873." With two maps. 8vo., Rangoon, 1873. In the Record Department.

## III. TENASSERIM DIVISION.

Including the four Districts of—1, Amherst; 2, Mergui; 3, Shwegyeen; 4, Tavoy; 5, Toungoo; 6, Salween.

*Atlas and General Maps.*

An ATLAS of TENASSERIM, containing the following maps:—

- No. 1. Plan of the Province of Tavai, by Lieut. James Low, 46th Regiment Madras N. I. Calcutta, 12th April 1826. *Scale, about  $3\frac{3}{4}$  miles to 1 inch; size, 21 inches by 25.*
- No. 2. Plan of the Route from Tavai towards Martaban through Kaleengaung and Ye. By Lieut. James Low, 46th Regiment Madras N. I. S. G. O. Calcutta, 12th April 1826. *Scale, about  $3\frac{3}{4}$  miles to 1 inch; size, 21 inches by 26.*
- No. 3. Plan of the Burman Province of Mautama (or) Martaban. Presented to the Honourable R. Fullerton, Esq., Governor in Council of Prince of Wales' Island, by his most obedient and humble servant, The Compiler. Signed, James Low, Lieut. 46th Regiment Madras N. I. S. G. O. Calcutta, 12th April 1826. *Scale, about  $9\frac{1}{2}$  miles to 1 inch; size, 29 inches by 23.*
- No. 4. Plan of the Fortified Town of Tavai. By James Lowe, Lieut. 46th Regiment Madras N. I. S. G. O. Calcutta, 12th April 1826. *Scale, 150 yards to 1 inch; size, 28 inches by 18.*
- No. 5. Plan of the Town and Stockade of Martaban. By James Lowe, Lieut. 46th Regiment Madras N. I. S. G. O. Calcutta, 12th April 1826. *Scale, 300 yards to 1 inch; size, 13 inches by 21.*
- No. 6. Plan of the Stockaded Town of Ye, by Lieut. James Low, 46th Regt., Madras, N.I. S.G.O. Calcutta, 12th April 1826. *Scale, 100 yards to 1 inch; size, 15 inches by 21.*
- No. 7. Sketch AA. showing the Mouth of the River Mouttama and the Island of Pooloogyoon. S.G.O. Calcutta, 14th April 1826. *Scale, about 1 mile to 1 inch; size, 22 inches by 17.*
- No. 8. Chart of the Roadstead and Approaches to the Town of Amherst. W. Spiers, Surveyor. *Scale, about 2,900 feet to 1 inch.* With an insertion showing the mouths of the Salwen, Gyaing, and Attaran Rivers, *on a scale of about 6 miles to 1 inch.* No title. S.G.O. Calcutta, 25th May 1826. *Size, 23 inches by 26.*

A Sketch of the CONQUERED PROVINCES of MARTABAN, YE, TAVOY, and MARGUI. Reduced and corrected by Capt. P. W. Grant, Survey Department. Received, October 1827. *Scale, 8 miles to 1 inch; size, 58 inches by 26.*

The TENASSIRIM PROVINCES. By Captain W. C. McLeod, M.N.I. No date. *Scale, 16 miles to 1 inch; size, 36 inches by 14.*

\* \* The districts of Shwegyeen, Toungoo, and Salween, are omitted in this and also in the foregoing maps.

Map of TENASSERIM, compiled by Arthur H. Bagge, Lieut. Royal Engineers, Her Britannic Majesty's Commissioner for the Settlement of the Boundary between the Kingdom of Siam and the British Province of Tenasserim. *In 6 sheets. Scale, 4 miles to 1 inch; size of each sheet, 30 inches by 45; price 12s.*

Map of TENASSERIM and the adjacent PROVINCES of the KINGDOM of SIAM, compiled by Lieut. A. H. Bagge, Royal Engineers, Her Britannic Majesty's Commissioner for the Siam and Tenasserim Boundary Settlement. To illustrate the final report. *Scale, 8 miles to 1 inch; on 4 sheets; size of each, 22 inches by 33; price 8s.*

Map of TENASSERIM, showing the proposed boundaries for the Government forests, or areas subject to the forest rules. 1875. *Scale, 16 miles to 1 inch; size, 30 inches by 22.*

### 1. Amherst District.

(Plan of) YEA, a stockaded Town in Martaban, in 1825, by Capt. James Low. *Scale, 100 yards to 1 inch; size, 18 inches by 22.* MS.

A Sketch of the PROVINCE of MARTABAN (the present District of Amherst). Corrected from Astronomical Observations, by Capt. P. W. Grant, Surveyor. Received, October 1827. *On a scale of 4 miles to 1 inch; size, 44 inches by 21.* MS.

A Sketch of the PROVINCE of MARTABAN (the present District of Amherst), corrected from Astronomical Observations by Captain P. W. Grant. 1827. *Scale, 8 miles to 1 inch; size, 23 inches by 15.* MS.

\* " With remarks on the area, population, staple products, &c.

Report relative to the SURVEY of the PROVINCE of MARTABAN (the present District of Amherst in Tenasserim), with latitudes and angles observed. Memo. on the Survey of the Sulwaen (Salween) from Moulmein to Kokret. Observations on the Attaran River, and the route to the Three Pagodas, &c. By Captain Grant. 1827. Fseap. folio, half-bound. MS.

A Map of the PROVINCE of MARTABAN (the present District of Amherst), including the adjacent Coast of Pegue (the borders of the present District of Shwegyeen in Tenasserim). Constructed chiefly from Capt. Low's Map, and corrected by Capt. P. W. Grant. From Ye to the southward is taken exclusively from Capt. Low's Map. The Coasts of Pegue and Martaban and the Anglo-Burmese frontiers, are laid down from Astronomical Observations made subsequently to Captain Low's Survey. Copied in the Surveyor-General's Office, April 1827. *Scale, 8 miles to 1 inch; size, 40 inches by 29.* MS.

A Map of a SURVEY across the FORESTS extending from Latitude 15° 44' on the banks of the Attaran to the Three Pagodas. By Lieut. Montmorency, Assistant to Capt. Grant, Survey Department. 1827. *Scale, 2 inches to 1 mile; size, 80 inches by 19.* Original MS.

A Map of a SURVEY across the TEAK FORESTS extending from Latitude 15° 44' 12" to 15° 17' 46" (Three Pagodas). Corrected from Astronomical Observations by Capt. P. W. Grant, Survey Department. Copied in the S.G.O., February 1828. *Scale, 1 mile to 1 inch; size, 39 inches by 19.* MS.

A Map of the ATTARAN RIVER, extending from Moulmein to the Three Pagodas. Corrected from Astronomical Observations by Capt. P. W. Grant, Surveyor. Copied in S.G.O., February 1828. *Scale, 2 miles to 1 inch; size, 46 inches by 31.* MS.

Map of the SULWEN (Salwen), GYEIN (Gain), and ATTRAN (Attaran) RIVERS, between N. Latitudes 16° and 17° 30'. 1831. *Scale, 4 miles to 1 inch; size, 29 inches by 20.* No title. MS.

A Map of the THOUNGYEEN and ATTRAN FORESTS, on the Northern Boundary of the Tenasserim Province. Copied, 6th October 1848. *Scale, about 2½ miles to 1 inch; size, 74 inches by 43.* MS.



### 3. *Shwegyeen District.*

A Plan of MAUTAMA or MARTABAN, by Capt. James Low. The interior chiefly laid down from a running Survey made personally by the Compiler during the Burman War in 1825. *Scale, about  $9\frac{1}{2}$  miles to 1 inch; size, 29 inches by 22.* MS.

\*\*\* This Map contains parts of the actual districts of Shweygeen and Amherst.

MARTABAN, stockaded Town, in 1825, by Capt. James Low. *Scale, 300 yards to 1 inch; size, 17 inches by 22.* MS.

PLAN of MARTABAN PROVINCE (now Shweygeen District) from MARTABAN to SHWAYGEEEN. Compiled by Mr. A. Hobday from his own Survey and that of S. B. Hellard, Lieut. I.N., February to May 1853. *Scale, 4 miles to 1 inch; size, 27 inches by 23; price 2s.*

Map of MARTABAN PROVINCE (now Shweygeen District), from MARTABAN to TOUNGNGOO. Surveyed and compiled by A. Hobday. 1853 to 1854. Moulmein, 29th June 1854. *Scale, 4 miles to 1 inch; size, 47 inches by 35.*

The MARTABAN PROVINCE (now Shweygeen District), from MARTABAN to TOUNGNGOO. Surveyed and compiled by A. Hobday. 1853 to 1856. Dated, Moulmein, 13th May 1856. *Scale, 4 miles to 1 inch; size, 49 inches by 32.*

### 4. *Tavoy District.*

A Plan of the CEDED PROVINCE or MYOO of TAVAY (between N. lats.  $13^{\circ} 20'$  and  $14^{\circ} 10'$ ), by Captain James Low. (1825.) (*Scale, about  $3\frac{3}{4}$  miles to 1 inch*); size, 20 inches by 21. MS. Marked No. 1.

Plan of the WALLED TOWN of TAVOY, by Captain J. Low. 1825. *Scale, 150 yards to 1 inch; size, 29 inches by 21.* MS.

### 5. *Toungoo District.*

Geological map of the DISTRICTS of TOUNGGOO. Compiled by E. O'Riley, F.G.S. *Scale, 6 miles to 1 inch; size, 37 inches by 26.* MS.

TONGOO BARRACKS, &c. :—

1. Sheet No. 3 of FitzRoy's map of Pegu, containing Tongoo (Toung-goo).
2. European Infantry Barracks.
3. Royal Artillery Barracks.

## XIII. ANDAMAN AND NICOBAR ISLANDS.

The NICOBAR ISLANDS, with NONCOVERY HARBOUR enlarged. Kyd's Survey, 1790. *Size, 62 inches by 27.* MS.

The same on a reduced scale, drawn for Ritchie's maps of the Bay of Bengal. *Size, 27 inches by 40.* MS.

Chart of the ANDAMAN ISLANDS surveyed at the charge of the East India Company, by order of Charles, Marquis Cornwallis, K.G., Governor General in Council, in 1789 and 1790, and partially revised and corrected in 1793 by Archibald Blair. Also Sheets 3 and 4. See pages 556, 580, and 593.

Chart of the ANDAMAN and NICOBAR GROUP of ISLANDS.

Extraeted from the Admiralty Chart of the Bay of Bengal. Photozineographed at the S. G. O., Calcutta. *Size, 24 inches by 30.*

Vocabulary of dialects spoken in the NICOBAR and ANDAMAN ISLES, with a short account of the Natives, their customs and habits, and of previous attempts at colonization. By Fr. Ad. de Röepstorff. Second edition. Calcutta, 1875. With a Map. 8vo., stiff cover.

Rough Chart of PORT BLAIR and PORT MOUAT, with adjacent islands, showing proposed route for a Telegraph Cable across the South Andaman, with a Telegraph Office on Chatham Island. *Scale, 1 inch to 1 mile; size, 30 inches by 42.*

Rough Chart of PORT BLAIR, showing proposed route for a Telegraph Cable through Port Blair towards Port Mouat. *Scale, 2 inches to 1 mile; size, 15 inches by 22.*

This Chart of PORT BLAIR HARBOUR is respectfully dedicated to Colonel B. Ford, Superintendent of Port Blair, &c., by M. E. Matthews, Commander H.M.S. "Alexandra." No date or seale. Received, 1868. *Size, 29 inches by 30.*

Rough Chart of PORT MOUAT and adjacent islands, showing proposed route for a Telegraph Cable, from the West Coast of South Andaman towards Port Blair, viâ Port Mouat. *Scale, 1 mile to 1 inch; size, 30 inches by 42.*

\* \* \* LABYRINTH ISLANDS, PORT MOUAT, and PORT BLAIR. " " " By M. E. Matthews, Commander of H.M.S. "Alexandra." Calcutta, 1867. *Size, 34 inches by 27.*

PORT BLAIR, ANDAMAN ISLANDS. The scene of the assassination of the Viceroy of India. Lithographed from a sketch by Colonel Rundall, R.E., at the Surveyor-General's Office, Calcutta, 28th Feb. 1872. *Size, 15 inches by 22.*

View of the JETTY at HOPE TOWN, PORT BLAIR, the scene of the assassination of the Viceroy of India. Lithographed from a sketch by Colonel Jervois, R.E., at the Surveyor-General's Office, Calcutta, March 1872. *Size, 12 inches by 16.*

Plan of ROSS ISLAND at PORT BLAIR, 1869. *Scale, 6 inches to 1 mile; size, 40 inches by 27.*

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## II. MADRAS PRESIDENCY.

Including twenty-one Districts and also Native Principalities.

Formerly in five Provinces or Divisions, but now in twenty-one Districts. The five obsolete divisions were—the Ceded Districts, Malabar, the North Carnatic, the Northern Circars, the South Carnatic.\* The twenty-one districts into which the Presidency is now divided are—1, Belary; 2, Chengalpat; 3, Coimbatore; 4, Cuddapah; 5, Ganjam; 6, Godavari; 7, Krishna; 8, Karnul; 9, Madras; 10, Madura; 11, Malabar; 12, Nilgiri Hills; 13, Nellore; 14, North Arcot; 15, Salem; 16, South Arcot; 17, South Canara; 18, Tanjore; 19, Tinneveli; 20, Trichinapalli; 21, Vizagapatam. The native Principalities in this Presidency are—Cochin; Travancore; Pudukota; Banganapalli in Karnul; Sandur in Belary; Bodogoda, Chinna Kemedi, and Jaipur, forming the Jaipur Agency; and the Laccadive Islands.

### *General Maps.*

A Map of the COAST of COROMANDEL from Cape Comorin to Ganjam, showing the Military Stations under the Presidency of Fort St. George, and the districts ceded by Tippoo Sultaun. 1796. To which is now added the principal Military Stations, Posts, and Roads in Mysore and Malabar; extending to the Frontier of the Mahrattas and of the Nizam after the partition of 1799 from the Maps of the Nizam's dominions and the Surveys with the Army in Mysore, and of the Malabar Surveys, &c. Compiled by Capt. Mackenzie in December 1799. (With a list of Passes in the Eastern Ghauts.) *Scale, 20 miles to 1 inch; size, 53 inches by 48.* MS.

Map of the NIZAM'S DOMINIONS and of MYSORE, exhibiting the Principal Places, Forts, Roads, and Passes, with the contiguous Districts of the Carnatic and of the Mahrattas; the partition of Mysore, according to the Treaty of 1799 by Colin Mackenzie, Captain of Engineers. *Scale, 24 miles to 1 inch; size, 46 inches by 27.* MS.

\* \* With tables of Remarkable Fields of Battle, Remarkable Hindoo Temples or Places of Worship, Ancient Capitals, &c.

Map of SOUTHERN INDIA, showing the Military Divisions of the Army of the Madras Presidency and the place of outbreak of cholera among the Native Troops, while marching from one station to another from 1820 to 1844 inclusive. Prepared in the Quartermaster-General's Office under the direction of Assistant Surgeon Alexander Lorimer, M.D., by order of Government, dated 25th May 1845. *Scale, 24 miles to 1 inch; size, 47 inches by 39.*

Map of the COLLECTORATES and TERRITORIES under the MADRAS PRESIDENCY. Chief Engineer's Office, Surveyor-General's Department, Fort St. George. No date. About 1850? *Scale, 24 miles to 1 inch; size, 39 inches by 38.* MS.

\* \* With a statement showing the Collections of Lands and Extra Sources of Revenue, the charges and net revenue, as well as the population, the number of talooks and the area in square miles of each District under the Madras Presidency.

Map of the ROADS in the MADRAS PRESIDENCY. 1854. *Scale, 24 miles to 1 inch; size, 41 inches by 37.*

\* The Ceded Districts (one of the names now obsolete) included the present districts of Belary, Cuddapah, and Karnul; Malabar remains the same; the North Carnatic Province contained the City and District of Madras, Nellore, North Arcot, and South Arcot; the Northern Circars were identical with the present districts of Ganjam, Godavari, Krishna, and Vizagapatam; the South Carnatic included Coimbatore, Madura, Salem, Tanjore, Tinneveli, and Trichinopoly. South Canara was formerly in Bombay.

An Atlas of the SOUTHERN PART of INDIA, including the Plans of all the principal Towns and Cantonments, reduced from the Grand Trigonomietrical Survey of India, showing also the Tenasserim Provinces. Pharaoh and Co., Madras. Engraved by J. & C. Walker, London; 1855. 67 maps and plans, in 1 vol. 4to., half-bound.

Map of the PENINSULA of INDIA, comprising the whole of the Madras Presidency and portions of the adjacent territories of Bengal and Bombay, derived from the latest surveys and other information collected by Major F. H. Scott, Deputy Quartermaster-General of the Madras Army, and corresponding in all its details with the road book compiled by that officer. Madras, 1855. *Scale, 24 miles to 1 inch; on 2 sheets; size of each, 27 inches by 40.*

The original drawing of the same without title.

The same, with MS. revisions for the second edition.

The second edition by Lieut.-Colonel F. H. Scott, &c., Madras, 1863.

Cotton Map of the MADRAS PRESIDENCY, comprising all the Districts, Harbours, Roads, Railways, Canals, and Ports, and a coloured representation of all the cotton growing localities, to illustrate the Hand Book to the Cotton Cultivation, by J. Talboys Wheeler. Compiled by D. Ross. Chempauk, August 1862. *Scale, 24 miles to 1 inch; size, 39 inches by 34.*

Educational Map of the MADRAS PRESIDENCY. Prepared under instructions from the Educational Department. By A. Barren. Madras, 1863. *Scale, 32 miles to 1 inch; size, 30 inches by 25.*

Map of the MADRAS PRESIDENCY, showing the DISTRICT and TALUK BOUNDARIES and the principal Rivers, Roads, Railways, and Ports. Revenue Survey Office, Chempauk, 22nd January 1869. *Scale, 24 miles to 1 inch; size, 40 inches by 35.* Mounted to fold.

Map of the MADRAS PRESIDENCY, exhibiting the Progress of the Revenue Survey and Settlement in 186 . Incomplete. *Scale, 48 miles to 1 inch; size, 24 inches by 19.* With specimens of Madras Revenue Survey, No. 34, page 315.

Skeleton Map of the MADRAS PRESIDENCY, showing progress of Revenue Survey work up to December 1872. Colonel J. Priestley, Superintendent, Revenue Survey, Central Survey Office, Chempauk. *Scale, 32 miles to 1 inch; size, 30 inches by 25.*

\* \* Also a later edition up to 31st March 1874.

Outline Map of the MADRAS PRESIDENCY to illustrate the Projects contained in the Proposed Budget (P. W. D.) for 1857-58. *Scale, 12 miles to inch; size, 75 inches by 63.*

The same Map for the following years:—1858-59, 1861-62, 1862-63, 1863-64, 1864-65, 1865-66, 1867-68, 1868-69, 1869-70.

Second edition of the same Map for the year 1870-71.

Irrigation Map of the MADRAS PRESIDENCY, compiled and drawn in the Government Lithographic Press, Central Office of Public Works, from information furnished by District Engineers, for the Secretary of State for India, per order of Government, No. 569, of the 17th March 1860. With a list of the principal Rivers, Canals, Channels, and Tanks, &c. *Scale, 8 miles to 1 inch; size, 9 feet 6 inches by 8 feet.*

The same Map successively corrected to 1863, 1864, 1869.

**MADRAS REVENUE SURVEY.** A selected series of Maps and Records exemplifying the Operations of the Madras Revenue Survey under the direction of COLONEL J. PRIESTLEY.

*The Demarcation and Survey Records complete of the Village of Vellappakam, No. 53, Ponnery Taluq, Chinglepat District.*

1. Boundary Demarcation Sketch, 1 sheet.
2. Khandam Demarcation Sketch, 3 sheets.
3. Land Register, 1 sheet.
4. Field Book, Boundary and Khandam Circuit, 1 book
5. Field Book, Minor Circuit, 1 book.
6. Amin's Sketches, 3 sheets.
7. Amin's Field Book, 1 book.
8. Boundary Traverse, 1 sheet.
9. Khandam Traverses, 2 sheets.
10. Minor Circuit Traverses, 4 sheets.
11. Computation Papers, 4 sheets.
12. Area list, 1 sheet.
13. Lithographed Map, 1 sheet.
14. Manuscript Map, showing process of Plotting Fields, 1 sheet.

*Miscellaneous Papers.*

15. Extract from Main and Village Traverses for distance between G. T. Stations, Kolapa and Dunapa, 1 sheet.
16. Comparative Statement of Distances between G. T. Survey and Revenue Survey, 1 book.
17. Average Cost of Survey, Measurements, &c. for one square mile, 3 papers.
18. Demarcation Rules, 1 book.
19. Survey Rules, 1 book.

*Topographical Maps.*

20. Specimen of a Plane Table Square. Bavani Taluq, Coimbatore District. *Scale, 4 miles to 1 inch ; size, 22 inches by 29.*
21. Manuscript Map of Nagasamudram, &c., Zamindari, Kavali Taluq, Nellore District. *Scale, 4 miles to 1 inch ; size, 40 inches by 27.*

*Taluq Maps.*

22. Map of the BANDAR (or Masulipatam) Taluq, Kistna District. Reduced from the Maps of the Revenue Survey, surveyed in 1859, '60, and '61. By Capt. R. T. Pratt, H.M. 84th Foot, Deputy Supt. Survey. Chepak, 1871. *Scale, 1 mile to 1 inch ; on 4 sheets size, 48 inches by 56.*  
 With a list of the Villages named in English and Native characters, their area and the extent of wet and dry Cultivation, also a list of the Zemindaris, &c. The population of each place, the branches of administration conducted in it, and various agrarian facts are indicated. But there is no projection.
23. Map of the BAPATLA Taluq, Kistna District. Reduced from the Maps of the Revenue Survey completed in 1866. By Major W. Crewe, 32nd M.N.I. Deputy Supt. Revenue Survey. Chepak, 1870. *Scale, 1 mile to 1 inch : on 2 sheets ; size, 52 inches by 38.*

24. Map of the Bezwada Taluq, Kistna District. Reduced from the Maps of the Revenue Survey, surveyed in 1860 and '61. By Capt. R. T. Pratt, H.M. 84th Foot, Dept. Supt. Revenue Survey. Chepauk, 1871. *Scale, 1 mile to 1 inch: on 2 sheets; size, 48 inches by 37.*
25. Map of the Gudivada Taluq, Kistna District. Reduced from the Maps of the Revenue Survey, surveyed in 1860 and '61. By Capt. R. T. Pratt, H.M. 84th Foot, Dept. Supt. Revenue Survey. Chepauk, 1871. *Scale, 1 mile to 1 inch: on 2 sheets; size, 40 inches by 46.*
26. Map of the Guntur Taluq, Kistna District. Reduced from the maps of the Revenue Survey completed in 1865. By Lieut.-Col. W. Crewe, Staff Corps, Dept. Supt. Revenue Survey. Chepauk, 1871. *Scale, 1 mile to 1 inch: on 2 sheets; size, 52 inches by 38.*
27. Map of the Nandigama Taluq, Kistna District. Reduced from the maps of the Revenue Survey, surveyed in 1860 and '61. By Capt. R. T. Pratt, H.M. 84th Foot, Dept. Supt. Revenue Survey. Chepauk, 1871. *Scale, 1 mile to 1 inch: on 2 sheets; size, 52 inches by 38.*
28. Map of the Narsaraopett Taluq, Kistna District. Reduced from the maps of the Revenue Survey completed in 1867. By Lieut.-Col. W. Crewe, Staff Corps, Dept. Supt. Revenue Survey. Chepauk, 1871. *Scale, 1 mile to 1 inch: on 2 sheets; size, 52 inches by 39.*
29. Map of the Repalli Taluq, Kistna District. Reduced from the maps of the Revenue Survey completed in 1866. By Lieut.-Col. W. Crewe, Staff Corps, Dept. Supt. Revenue Survey. Chepauk, 1871. *Scale, 1 mile to 1 inch: on 2 sheets; size, 52 inches by 38.*
30. Map of the Sattenapalli Taluq, Kistna District. Reduced from the maps of the Revenue Survey, surveyed in 1861 and '62. By Capt. W. H. Hessey, Staff Corps, Dept. Supt. Revenue Survey. Chepauk, 1871. *Scale, 1 mile to 1 inch: on 2 sheets; size, 52 inches by 38.*
31. Map of the Kavali Taluq, Nellore District. Reduced from the maps of the Revenue Survey completed in 1867. By F. C. Puekle, Esq., M.A., Dept. Supt. Revenue Survey. Chepauk, 1870. *Scale, 1 mile to 1 inch: on 2 sheets; size, 44 inches by 38.*
32. Map of the town of Madras and the Surrounding Country comprising the Sydapet Taluk. Reduced from the maps of the Revenue Survey executed in 1867 and 1868. Chepauk, 1870. *Scale, 2 inches to 1 mile: on 4 sheets; size, 64 inches by 52.*

### *Municipal Survey.*

33. Madras Municipal Survey. Col. J. Priestley, Supt. *Scale, 100 feet to 1 inch.* Lithographed in colors by Alex. Barren, Revenue Survey Office, Chepauk, 1871.

2nd Division, Sections	1 to 6	on 5 sheets.
3rd	„	1 to 4 on 4 sheets.
4th	„	1 to 6 on 6 sheets.
5th	„	1 to 4 on 4 sheets.
6th	„	1 & 2 on 2 sheets.
8th	„	1 & 2 on 2 sheets.

### *Madras Presidency.*

34. Map of the Madras Presidency showing the District and Taluk Boundaries, and the principal rivers, roads, railways, and parts. (Also the state of the Revenue Survey.) Chepauk, 22nd January 1869. *Scale, 24 miles to 1 inch; size, 39 inches by 35.*

\* \* See also the Madras Revenue Survey maps, under the heading of each district.

SPECIMENS OF MAPS published at the CENTRAL SURVEY OFFICE, MADRAS. Sent by COLONEL PRIESTLEY, Superintendent Revenue Survey. Delivered to the GEOGRAPHICAL DEPARTMENT, INDIA OFFICE, October 14th, 1874.

*Copperplate Engraving.*

Map of the TOWN and SUBURBS of MADRAS, compiled from the Government Survey Maps, corrected to January 1874. Three of the sheets.

*Litho-Engraving.*

Map of the CHINGLEPUT and MADRAS DISTRICTS reduced from the Revenue Surveys. *Scale, 2 miles to 1 inch.* The title sheet only.

*Lithography.*

Map of the NELLORE DISTRICT, reduced from the Revenue Survey Maps, 1873. *Scale, 2 miles to 1 inch.* To be completed in four sheets, of which three only are here.

Map of the BAPATLA TALUK, KISTNA DISTRICT, reduced from the maps of the Revenue Survey, completed in 1866. By Major W. Crewe, 32nd M.N.I. Deputy Superintendent Revenue Survey. Chepauk, 1870. *Scale, 1 inch to 1 mile; on 2 sheets; size of each, 40 inches by 27.*

Map of the VINUKONDA TALUQ, KISTNA DISTRICT, reduced from the maps of the Revenue Survey, executed in 1864-65. Lieut.-Col. W. Crewe, Staff Corps, Deputy Superintendent Revenue Survey. *Scale, 1 inch to 1 mile; on 2 sheets; size of each, 40 inches by 27.*

KELAMPAKKAM VILLAGE MAP. No. 45, CHINGLEPUT DISTRICT, CHINGLEPUT TALUQ, KELAMPAKKAM. *Scale, 5 chains to 1 inch; size, 24 inches by 30.*

\* \* This map is accompanied by copies of the following records of the survey:—

- 1 Boundary Circuit.
- 1 Khandam Circuit.
- 2 Minor Circuits.
- 1 Area List (fields).
- 1 Area of Village, Calculations.
- 11. Khandam Traverses.
- 5 Boundary and Khandam Sketches.
- 1 Ameen's Sketch Book, Khandams 1, 2, 4.
- 1       "       "       "       3.
- 2 Land Register.

TENKERAI TALUQ, first section. Incomplete. *Size, 40 inches by 27.*

Part of COIMBATORE TALUQ, COIMBATORE DISTRICT, to supply a blank in the Indian Atlas, sheet 61. *Scale, 1 inch to 1 mile.* (Specimen of hill sketching.) *Size, 40 inches by 27.*

Topographical Map of OOTACAMUND SETTLEMENT, NEILGHERY DISTRICT. Chepauk, 1872. *Scale, 8 inches to 1 mile; on 9 sheets; size of each, 26 inches by 30.*

Map showing the Land within a radius of one mile from the MUDANUR RAILWAY STATION. 1872. *Scale, 16 inches to 1 mile; size, 36 inches by 50.*

Map showing the Land within a radius of one mile from the KAMALAPURAM RAILWAY STATION. 1872. *Scale, 16 inches to 1 mile; size, 36 inches by 50.*

Map showing the Land within a radius of one mile from the YERRAGUNTALA RAILWAY STATION. 1872. *Scale, 16 inches to 1 mile; size, 36 inches by 50.*

TRICHINOPOLY CANTONMENT. 1866. *Scale, 5 chains to 1 inch; on 3 sheets; size of each, 40 inches by 27.*

Preliminary Chart of the TRIANGLES of COORG. 1874. *Scale, 4 miles to 1 inch; size, 24 inches by 27.*

*Photo-lithography.*

TRICHINOPOLY DISTRICT. Sheet No. 4. *Scale, 2 miles to 1 inch; size 27 inches by 40.*

UTHENGIRI TALUQ, SALEM DISTRICT. Unfinished. *On 2 sheets; size of each, 40 inches by 27.*

Combined Map of HOOROORNOORAKUL, and a portion of MADIKERI-HALERI NADU, MERKARA TALUQ. *Scale, 2 inches to 1 mile; size, 27 inches by 33.*

A VILLAGE MAP on the scale of 16 inches to a mile, with the principal features enlarged for reduction by photo-lithography to the scale of 1 inch to 1 mile. *Size, 42 inches by 53. With copies of photo-lithograph Size, about 3 inches by 3½.*

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*Madras Military Maps.*

Plan exhibiting the PRESENT PARTITION of the Country dependent on FORT ST. GEORGE into Military Divisions with the several stations of Troops. Agreeably to the General Distribution Return of the Coast Army. For the month of March 1842. Quartermaster-General's Office, Fort St. George. *(Scale, 32 miles to 1 inch); size, 31 inches by 26. MS.*

Sketch Map showing the DISPOSITION of the MADRAS ARMY. Compiled in the Office of the Quartermaster-General of the Army. May 1858. *Scale, 45 miles to 1 inch; size, 25 inches by 40.*

Sketch Map showing the DISPOSITION of the MADRAS ARMY. Compiled in the Office of the Quartermaster-General of the Army. May 1864. *Scale, 45 miles to 1 inch; size, 26 inches by 40.*

Sketch Map showing the DISPOSITION of the MADRAS ARMY. Compiled in the Office of the Quartermaster-General of the Army. May 1865. *Scale, 45 miles to 1 inch; size, 27 inches by 40.*



Sketch Map showing the DISPOSITION of the MADRAS ARMY.  
Compiled in the Office of the Quartermaster-General of the Army. May 1866.  
*Scale, 45 miles to 1 inch ; size, 27 inches by 41.*

Sketch Map showing the DISPOSITION of the MADRAS ARMY.  
Compiled in the Office of the Quartermaster-General. 31st May 1868. *Scale, 45 miles to 1 inch ; size, 27 inches by 41.*

Sketch Map showing the DISPOSITION of the MADRAS ARMY.  
Compiled in the Office of the Quartermaster-General. 31st May 1869. *Scale, 45 miles to 1 inch ; size, 28 inches by 41.*

Sketch Map showing the DISPOSITION of the MADRAS ARMY.  
Compiled in the Office of the Quartermaster-General. 31st May 1870. *Scale, 45 miles to 1 inch ; size, 27 inches by 41.*

Disposition Map of the MADRAS ARMY. Quartermaster-General's Office, Fort St. George, 31st May 1873. *Scale, 32 miles to 1 inch ; size, 34 inches by 50.*

Disposition Map of the MADRAS ARMY. Quartermaster-General's Office, Fort St. George, 1st May 1875. *Scale, 32 miles to 1 inch ; size, 37 inches by 52.*

### *Route Maps.*

#### *Mackenzie's Surveys.*

The route of the NIZAM'S DETACHMENT from BANGALORE to GANDICOTTA and KURPA or CUPADA, in 1792. Surveyed by Colin Mackenzie, Lieut. Engineers and Surveyor to the Detachment. *Scale, 2 miles to 1 inch ; in 2 sheets, marked Nos. 1 and 2. No. 1. Size, 81 inches by 24. No. 2. Size, 29 inches by 36. MSS.*

Route of a DETACHMENT of the HONOURABLE COMPANY'S FORCES in the service of His Highness the Nizam. Commanded by Capt. Andrew Reid, from Bangalore to Cuddapa, in 1792. Reduced from the original Survey, executed by C. Mackenzie, Lieut. and Engineer to the Detachment. *Scale, 8 miles to 1 inch ; size, 26 inches by 26. MS.*

Roads from BANGALORE to GANDICOTTA, KURPA, and CALWAY in the Carnatick ; and from Calway by the Dornal Pass, to Badwoil and Cummum ; and by Bassapour Pass, to Nundyal and Kurpa ; with the Road from Nellore to Udgherry Droog, Pamour, Canegerrydroog and Ongole. Reduced from surveys executed in 1792 and 1793 by C. Mackenzie, Lieut. Engrs. Surveyor to the Nizam's Detachment. Fort St. George, 7th October 1793. No. 3. *Scale, 8 miles to 1 inch ; size, 33 inches by 39. MS.*

Survey of the PRINCIPAL PASSES, leading from the CARNATICK into the CUMMUM, CANOUL and KURPA COUNTRIES (including the course of the Pennar R. from Kurpa to Calway) in September and October 1792. By C. Mackenzie, Lieut. Engineers, Surveyor to the Nizam's Detachment. No. 4. *Scale, 2 miles to 1 inch ; size, 54 inches by 39. MS.*

Continuation of the SURVEY of the PASSES and FRONTIER between the Carnatick, and the Districts of Kurpah and Canoul ; carried on from the Pennar R. to the Kistna R., including the principal Roads, in 1794. By C. Mackenzie, Capt. of Engineers, Surveyor to the Nizam's Detachment. *Scale, 2 miles to 1 inch ; size, 26 inches by 56. MS.*

Plan of the **PASSES** and **ROADS** on the **FRONTIER** of the **CARNATICK**, between the Rivers Pennar and Kistna. Reduced from the Surveys by C. Mackenzie, Capt. Engineers, Surveyor to the Nizam's Detachment, 1794. *Scale, 8 miles to 1 inch ; size, 20 inches by 29.* MS.

Remarks on a **JOURNEY** into the **COUNTRIES** of **CUMMUN**, **DUPAAD**, **PURWUTTUM**, and **CANOUL** (Kurnool), being the continuation of the Survey of the frontier and passes between the rivers Pennar and Kistna in 1794, by Colin Mackenzie, Capt. Engrs. Surveyor. *Folio, 44 pages, paper cover.*

A Military Chart of the **NORTHERN FRONTIER** of the **CARNATIC** and **DEPENDENCIES** of the **GOVERNMENT** of **FORT ST. GEORGE**, exhibiting the principal Forts, Places, Military Posts, Rivers, Roads, and Passes ; their mutual connexion with each other and with the Central Military Arsenals, Stations, and Sea Ports ; with the Boundary of the Company's and of the Rajah of Mysore's Territories, and of the newly added Provinces from the Nizam. Compiled from the Surveys carried on in Mysore from 1799 to 1802, connected with the surveys of Roads and Routes executed in the Nizam's Provinces from 1792 to 1799, the Map of Canara and Malabar and various other documents particularly mentioned in the Memoir of the Construction, by C. Mackenzie, Capt. Engineers, Madras, 17th October 1802. No. 6. *Scale, 12 miles to 1 inch ; size, 36 inches by 23.* MS.

### *Lawford's Survey.*

Survey of a **LINE** of **ROAD** from **BELLARY** to **ARCOT**. April 1841. Signed, E. Lawford, Captain Civil Engineer, 3rd Division. *Scale, 1 mile to 1 inch ; in 3 sheets, marked Parts I., II., III.* MSS.

Part I. From Bellary to Bangopully. *Size, 113 inches by 15.*

Part II. From Bangopully to Palamanair. *Size, 79 inches by 19.*

Part III. From Palamanair to Arcot. *Size, 51 inches by 19.*

Survey of a **LINE** of **ROAD** from **CHITTOOR** (North Arcot) to **CUDDAPAH**. Signed, E. Lawford, Captain Civil Engineer, 3d Division. 3rd May 1841. *Scale, 1 mile to 1 inch ; size, 95 inches by 19.* MS.

Survey of the **HIGH ROAD** from **MADRAS** to **BOMBAY**, between Cuddapah and the River Tombuddura (in Bellary). Signed, E. Lawford, Lieut. Civil Engineer, 3d Division. No date. *Scale, 8,000 feet to 1 inch ; size, 115 inches by 19.* MS.

Survey of a **LINE** of **ROAD** from **BELLARY** to **DHANOOR** (Belgaum), being part of a Route from the former station to Beejapoor. Signed, E. Lawford, Capt. Civil Engineer, 3d Division. 24th April 1841. *Scale, 1 mile to 1 inch ; size, 96 inches by 18.* MS.

Survey of a **LINE** of **ROAD** from **GOOTY** (Bellary) to **BEEJAPoor** (Sholapore, Bombay Pres.). Signed, E. Lawford, Captain Civil Engineer, 3d Division, April 1841. *Scale, 1 mile to 1 inch ; in 2 sheets, marked Part I., II. ; size of each, 95 inches by 25.* MS.

### *General Maps of the Southern Districts.*

Map of the following **SOUTHERN DISTRICTS** under the Company's management, viz., Tinnevely, Ramnad, Shevagunga, Madura, and of the District of Tondiman. Reduced from the Original Surveys in the Surveyor General's Office at Madras. Colin Mackenzie, Surveyor General of India. Fort St. George. 1st December 1815. *Scale, 4 miles to 1 inch ; size, 49 inches by 39.* MS.

\* \* These districts are now comprised in Tinnevely and part of Madura.

Plan of the DISTRICTS of TANJORE, TRICHINOPOLY, COIMBATOUR, and MADURA, together with the Polliams of Nuttam (now in Madura District), and Manapara (now in Trichinopoly district). Compiled from the Surveys of the late Establishment of Revenue Surveyors, corrected and verified by the series of Triangles carried on by Major Williams Lambton. Signed W. Morison, Acting Surveyor General. Fort St. George, 14th October 1812. *Scale, 4 miles to 1 inch ; size, 55 inches by 69.* MS.

*General Maps of the Ceded Districts.*

*Now forming the districts of 1, Bellary ; 3, Cuddapah ; and 7, Karnul.*

Geographical and Statistical Map of the NORTH-EAST PART of the MYSORE DOMINION or the CEDED DISTRICTS, as they were ceded to the Honourable East India Company by the Treaty of Mysore of the 22nd June 1799, and by the Treaty of Hyderabad of the 12th October 1800, with the Limits and Boundaries of the several districts and purgunnahs, of the partition enumerated in the Schedule of Division and ascertained from actual inspection. The whole laid down from Surveys carried on in continuation of the Survey of Mysore, and completed in 1815. Under the Superintendency of the Mysore Survey, and afterwards under the direction of the Surveyor General's Department of Fort St. George. Signed, Colin Mackenzie, Surveyor General of India. Fort St. George, 1st November 1815. *Scale, 4 miles to 1 inch ; size, 59 inches by 74.* MS.

Statistic and Geographical Survey of the NORTH-EAST PROVINCES of the MYSORE DOMINIONS ceded to the Honourable English East India Company by the treaty of June 1799 ; and of the provinces south of the Toombudra and Kistna Rivers, ceded by His Highness the Nizam by the treaty of Hyderabad of 12th October 1800, the whole forming *The Ceded Provinces* under the presidency of Fort St. George under its Eastern and Western Divisions. From the Survey executed from 1809 till 1811 under the direction of the Superintendent of the Mysore Survey, and afterward from that period to this date under the direction of the Surveyor General's Department Fort St. George, accompanied with a general Map on a scale of 4 miles to an inch. Madras, 1st January 1816. Colin Mackenzie, Surveyor General of India. In 2 vols. folio, half bound. Vol 1., Eastern Division ; Vol. 2., Western Division ; containing registers of Villages, Statistic Tables, and Description of Limits.

\* \* The map mentioned in this title is not in the volumes, and is probably the foregoing.

Atlas of the PROVINCES ceded by the NIZAM in 1800 to the Honourable East India Company of England, from Surveys executed from 1809 to 1815. Compiled from the Original Surveys under the direction and on the proposition of Colin Mackenzie, Surveyor General in India. Fort William, 1st January 1820. Bound in one volume. *Size, 39 inches by 30.* MSS.

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 „ 14. Cuddapah or Sidhout, including the Purgunnah of Chittavail. *Size, 47 inches by 47.*  
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 \* „ 16. Gurumconda, Rachoottee, Poolavaindla, and Chintacoonta.  
 „ 17. Podella, Durshce, and Pelloor, subject to the Rajah of Venkatygherry. *Size, 26 inches by 38.*  
 \* „ 18. Punganoor.  
 \* \* Nos. 1, 4, 16, 18, although in the Contents are not in the Atlas and have never been bound with it. All the Maps, except No. 1, are on the scale of 2 miles to 1 inch.

*General Map of the Circars.*

Surveys in the CIRCARS. By Mr. Topping, Captain Caldwell, and Major Beatson. Inscribed to the Board of Revenue by Major Beatson. 1799. With a separate section. *Scale, 6 miles to 1 inch; size, 22 inches by 30.* MS.

\* \* \* Now included in Godavari and Krishna Districts.

1. BELARY DISTRICT.

Including fifteen Taluks. The Revenue Survey of this district has not yet appeared.

Plan of HUMPE (on the Toongabudra R.). Surveyed and drawn by Hunnoomansing, Private Guide, Quartermaster-General's Department, C. D., Bellary, 10th Sept. 1860. *Scale, 200 feet to 1 inch; size, 43 inches by 44.* MS.

Sketch Map, showing the PORTIONS of ROAD in the BELLARY DISTRICT, as called for by a Memo. from Government, dated 5th January 1861. Deputy Chief Engineer's Office, Central Circle, D.P.W. Chepank, 19th Jan. 1861. *No scale; size, 12 inches by 12.* MS. trace.

BELLARY CANTONMENT and BARRACKS:—

1. Bellary Cantonment, with the military roads diverging from it. Indian Atlas, sheets 58, 59.
2. Plan of the Upper and Lower Fort and Cantonments of Bellary. December 1856, corrected to 31st May 1866. *Scale, 6 inches to 1 mile; size, 27 inches by 40.*
3. Barracks for the Royal Artillery and European Infantry at Bellary. *Scale, 10½ feet to 1 mile; on 20 sheets; size of each, 30 inches by 22.*

HOSPITAL at BELLARY, to contain 132 Patients. Plan, elevation, and section. Lithographed at the Royal Engineer Establishment, Chatham, 1853. *Size, 22 inches by 30.*

Manual of the BELLARY DISTRICT, compiled under the orders of Government, dated 9th September 1869, No. 2,246, by John Kelsall, Madras Civil Service, Acting Sub-Collector, North Arcot. With a Map. Madras, 1872. 8vo. cloth.

2. CHENGALPAT DISTRICT.

Including six Taluks.

A Map of the COUNTRY extending along the COAST, nearly up to MADRAS on the north, and to Pondicherry on the south, and westward to a meridian a little beyond Arcot. It is named "Plan B." only. *Scale, 2 miles to 1 inch; size, 28 inches by 35.* MS.

Map of the SEA COAST from MADRAS to DOOGOORAZPATAM, with the Pulicat and Armogham Shoals, and a part of the Pulicat Lake and Back Waters up to Doogoorazpatam; showing also the track of the proposed Canal for extending the Inland Navigation from Madras through the Lake. Copied in the Surveyor-General's Office, Madras, 3rd October 1822. *Scale, 4,000 feet to 1 inch; size, 95 inches by 35. MS.*

Descriptive and historical papers relating to the SEVEN PAGODAS on the COROMANDEL COAST. By William Chambers, Esq.; J. Goldingham, Esq.; Benjamin Guy Babington, Esq., M.D., F.R.S.; Rev. G. W. Mahon, M.A.; Lieut. John Braddock; Rev. W. Taylor; Sir Walter Elliot, K.S.C.I.; C. Gubbins, Esq. Edited by Captain M. W. Carr, Madras Staff Corps, Madras, 1869. Letterpress, and 23 plates, folio; with a map entitled—

Sketch of MAVALIVARAM, otherwise called the SEVEN PAGODAS, and of the village of SALUVAN KUPPAM, on the COROMANDEL COAST. To illustrate a collection of Descriptive and Historical Papers republished by order of the Madras Government, 1869. *Scale, 16 inches to 1 mile; size, 40 inches by 27.*

## MADRAS REVENUE SURVEY OF MADRAS\* DISTRICT.

### I. TALUK MAPS IN MADRAS\* DISTRICT.

Map of the SYDAPET TALUK, MADRAS\* DISTRICT, reduced from the maps of the Revenue Survey, executed in 1867 and 1868. By Major W. Barber, 33rd M. N. I., Dept. Supt. Rev. Survey. *Scale, 2 inches to 1 inch; size, 64 inches by 51.*

### II. VILLAGE MAPS IN MADRAS\* DISTRICT.

#### 1. Villages in Chengalpat Taluk.

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#### 2. Villages in Ponneri Taluk.

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\* Now Chengalpat District.

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Irumbalur - - -	262	Mambalam - - -	177
Isa Pallaveram - - -	246	Manali - - -	26
Jalladampettai - - -	280	Mananjeri - - -	205
Jambali - - -	32	Manappakkam - - -	190
Kadappakkam - - -	4	Manjambakkam - - -	36
Kadapperi - - -	259	Mankadu - - -	44
Kadavur - - -	49	Mannur - - -	89
Kagapallem - - -	74	Mappedu - - -	263
Kalikkunram - - -	3	Mattur - - -	35
Kanagam - - -	221	Medapakkam - - -	232
Kannapalaiyam - - -	100	Melmanambedu - - -	129
Karaipakkam - - -	229	Melpakkam Kadavur - - -	46
Karalappakkam - - -	50	Melpakkam Paritipattu - - -	101
Karambakkam - - -	162	Menambedu - - -	62
Karuagaracheri - - -	111	Meppur - - -	200
Kasbapuram - - -	270	Meyyur - - -	119
Kattirivedu - - -	65	Minambakkam - - -	213
Kattivakkam - - -	1	Mittanemali - - -	158
Kattupakkam - - -	150	Modarambedu - - -	128
Kavulbazar - - -	211	Modilipakkam (2 parts) - - -	160
Kavalcheri - - -	132	Mogapper - - -	83
Kavanur - - -	249	Morai - - -	43
Kilkattalai - - -	236	Moulipakkam - - -	58
Kilkundiyar - - -	51	Mount Cantonment - - -	188
Kilmanambedu - - -	131	Mudichur - - -	256
Kodambakkam - - -	176	Mulaicheri - - -	276
Kodungiyur - - -	31	Mullum - - -	76
Koladi - - -	93	Munankattalai - - -	206
Kolamanipakkam - - -	197	Muwarasampattu - - -	239
Kolappakkam - - -	191	Nadunguttagai - - -	55
Kolappanjeri - - -	106	Naduvakkarai - - -	80
Kolattur - - -	67	Nandambakkam Mount (3 parts) - - -	187
Kolattuvanjeri - - -	147	Nandambakkam (Sirukaluttur) - - -	251
Kollacheri - - -	204	Nanganallur - - -	215
Konnur - - -	73	Nanmangalam - - -	233
Korattur - - -	63	Narasingapuram - - -	126
" - - -	117	Naravarikuppam - - -	12
Kosappur - - -	22	Nasaradapettai - - -	138
Kottivakkam - - -	223	Nedunjeri - - -	135
Kottur - - -	180	Nemalicheri (Ten.) - - -	241
Kovilambakkam - - -	234	Nemalicheri (Vada) - - -	113
Kovilanjeri - - -	273	Nemam - - -	121
Kovilpadagai - - -	59	Nesapakkam - - -	168
Kovur - - -	195	Neykunrum - - -	165
Koyambedu - - -	171	Nilangurai - - -	227
Kudapakkam - - -	118	Nochimedu - - -	120
Kulattur - - -	235	Nolambur - - -	84
Kunnathur (2 parts) - - -	248	Numbal - - -	153
Kuttambakkam - - -	123	Oragadam - - -	61
Layan (2 parts) - - -	13	Ottiyambakkam - - -	277

Padi - - -	No. 82	Settimedu - - -	No. 20
Palanjur - - -	124	Settiyaragaram - - -	155
Palantandalam - - -	253	Sikkarayapuram - - -	196
Palavakkam - - -	224	Sinnakudal - - -	79
Palavantangal - - -	189	Sinnapannieheri - - -	145
Palavayal - - -	10	Sinna Sekkadu - - -	29
Palavedu - - -	54	Sinna Sembarambakkam - - -	71
Palaveram Cantonment - - -	212	Sirukalattur - - -	250
Pallavaram - - -	240	Sirugavar - - -	8
Palerippattu - - -	97	Siruvallur - - -	70
Pallikaranai - - -	231	Sittalapakkam - - -	244
Pallippattu - - -	182	Sittalapakkam - - -	274
Pammadukulam - - -	39	Sittakkadu - - -	116
Pammal - - -	247	Sivabndam - - -	154
Panavedutottam - - -	104	Sivaram - - -	226
Pandesuvaram - - -	48	Sokkanallur - - -	107
Paraniputtur - - -	146	Solanganallur - - -	281
Parnttipattu - - -	96	Soranjeri - - -	99
Parittivakkam - - -	284	Srinivasapuram - - -	148
Parivakkam - - -	103	Sundarasolapuram - - -	95
Parvatarajapuram - - -	125	Surapattu - - -	64
Pattarapakkam - - -	90	Sydapet - - -	178
Payasambakkam - - -	19	Talaikananjeri - - -	216
Periyakudi - - -	77	Tambaram - - -	260
Periyapannieheri - - -	193	Tandalam - - -	156
Perumalagaram - - -	86	Tandalkalane - - -	16
Perumbakkam - - -	279	Tandurai - - -	112
Perungudi - - -	225	Taramani - - -	220
Perunkalattur - - -	257	Tiruvamiyur - - -	222
Peruvallur - - -	68	Telliyaragaram - - -	157
Pidaritangal - - -	105	Tenbakkam - - -	45
Polal (2 parts) - - -	38	Torappakkam - - -	208
Polichallur - - -	210	Tinnanore - - -	56
Poonamallee - - -	142	Tirttagiriyampattu - - -	11
Porundapakkam - - -	238	Tirukkivilpattu - - -	130
Porur - - -	161	Tirumanam - - -	109
Pottur - - -	41	Tirumalarayapuram (2 parts) - - -	122
Pudupattu - - -	57	Tirumangalam - - -	81
Pulikkoradu - - -	258	Tirumeshi - - -	134
Pulikutti - - -	44	Tirumudipakkam - - -	254
Puliyur - - -	174	Tirumnlavayal - - -	60
Putandalam - - -	252	Tirunagesuvaram - - -	203
Puttagaram - - -	66	Tirunirmalai - - -	245
Rajakilpakkam - - -	266	Tirusulam - - -	214
Ramapuram - - -	167	Tiruvvanjeri - - -	264
Rendankattalai - - -	207	Tiruverkadu - - -	94
Sadaiyankuppam - - -	3	Tiruvottiyur - - -	27
Saligiramam - - -	175	Tiyyambakkam - - -	6
Sattankadu - - -	28	Tukkanampattu - - -	140
Selaiyur - - -	265	Tundalam - - -	194
Selavayal - - -	30	Udaiyavereovil - - -	136
Sembakkam - - -	243	Uddandi - - -	283
Sembarambakkam - - -	201	Ukkiyam Torappakkam - - -	230
" - - -	203	Ullagaram - - -	217
Sembiyam - - -	69	Urur - - -	181
Semmanjeri - - -	282	Vadagarai - - -	15
Senjeri (2 parts) - - -	170	Vadapurambakkam - - -	21
Sennurkuppam - - -	152	Vaikkadu - - -	24
Senrambakkam - - -	7	Valasaravakkam - - -	166

Vanagaram	-	-	No. 163	Vengapakkam	-	-	No. 271
Varadarajapuram	-	-	„ 139	Vengavasal	-	-	„ 268
Vayilanallur	-	-	„ 108	Venkittapuram	-	-	„ 202
Velaeheri	-	-	„ 219	Vilangiyambakkam	-	-	„ 98
Velakkupatti	-	-	„ 37	Vilankadupakkam	-	-	„ 9
Vellaeheru	-	-	„ 53	Villivakkam	-	-	„ 75
Vellanur	-	-	„ 42	Viraragavapuram	-	-	„ 102
Vellavedu	-	-	„ 127	Virugambakkam	-	-	„ 169

#### 4. Villages in Trivellur Taluk.

Egattur Zemindari - - - No. 18

### 3. COIMBATORE DISTRICT.

Including ten Taluks. The Revenue Survey is in a forward state, but only two village maps have been lithographed and sent to the India Office.

Skeleton Map of SOUTH COIMBATOOR, showing the Sections of the Survey as executed in 1821, '22, and '23. B. S. Ward, Assistant, Surveyor-General's Department. *Scale, 4 miles to 1 inch; size, 18 inches by 28.* MS.

The Central part of COIMBATORE, between the BOVANI and NOYEL RIVERS, with areas and a table of distances. *Scale, 1 mile to 1 inch; size, 40 inches by 70.* MS.

PAROONTHORAY (Perundurai) TALOOK. *Scale, 1 mile to 1 inch; size, 30 inches by 34.* MS.

Plan of the ERODE TALOOK. Surveyed and submissively inscribed to W. Garrow Esq., Collector of the Coimbatore Districts, by his most obedient, very humble, and faithful servants, S. Godfrey, W. Keyes, and C. McMahon, Assistant Revenue Surveyors. 1810. *Scale, 1 mile to 1 inch; size, 23 inches by 36.* MS.

Plan of Part of the SATTIMUNGALUM and DANAIKEN-COTA TALOOKS \* \* \* by W. Keyes and C. McMahon. 1811. *Scale, 1 mile to 1 inch; size, 18 inches by 43.* MS.

Map of SOUTH COIMBATOOR and a portion of Country North of the River Noyel, surveyed in 1821, '22, and '23. B. S. Ward, Assistant, Surveyor-General's Department. *Scale, 1 mile to 1 inch.* MSS., in 5 parts, marked, A., B., C., D., E. :—

A. Coimbatore and the Noyel River. *Size, 16 inches by 46.*

B. Polachy and the Annamullay Mountains to the South. *Size, 49 inches by 22.*

C. Pulladum, Kangyam, and Caroor. *Size, 16 inches by 68.*

D. Oodumullacutta and the Ambrawutty River. *Size, 47 inches by 21.*

E. Darrapooram, Kaniwaddy, and Aravakoorchy. Title and explanation. *Size, 21 inches by 56.*

Geographical and Statistical Memoir of the SURVEY of the DISTRICTS of the COIMBATOOR PROVINCE, situated South of the Noyel River. Surveyed, under the superintendence of Captain B. S. Ward, from November 1821 to February 1824. Copied from the original Documents forwarded to the Surveyor-General of India, 30th September 1826, signed D. Montgomerie, Deputy Surveyor-General. In 1 vol. folio, half-bound. MS.



*Anamally Mountains.*

A Map of MICHAEL'S VALLEY and adjoining hills, Upper Anamally Plateau. Surveyed and drawn by J. C. Hannington, Esq. C.S. *Scale, 1 mile to 1 inch; size, 16 inches by 12.* The same reduced to 2 miles to 1 inch.

Six Photographic Views of MICHAEL'S VALLEY and other parts of the Anamally Mountains. In 1 paper packet, referred to in letter Nov. 24, No. 4 of 1874, Forests.

—Report on the High Ranges of the Annamullay Mountains. By Lieut. Colonel Douglas Hamilton, Madras Army. 8vo., 19 pages, sewed.

\* \* \* *See also Cleghorn's Forests of India, 1861.*

*Revenue Surveys. Village Maps in Coimbatore Taluq. Scale, 5 chains to 1 inch.*

No. 235. Badabilli. 1861.

No. 16. Irumbarai. 1861.

## 4. CUDDAPAH DISTRICT.

Including eleven Taluks. The Revenue Survey is in progress, but the following only has been lithographed and sent to the India Office.

Map of the CUDDAPAH DISTRICT, showing the new Boundaries of Taluqs. Chepauk, February 1853. *Scale, 2 miles to 1 inch; size, 66 inches by 57.*

A Manual of the DISTRICT of CUDDAPAH in the PRESIDENCY of MADRAS. Compiled and edited by J. D. B. Gribble, M.C.S., Acting Sub-Collector of the Cuddapah District. Madras, 1875. With a map. 8vo., cloth.

## 5. GANJAM DISTRICT.

Including three Taluks, with an area of 1,941 square miles, and Zemindaries, &c. extending over 2,246 square miles.

GANJAM SURVEY. *Scale, 1 mile to 1 inch.* Original Field Sections, lettered A. to P. By C. Snell, Captain, Surveyor. Dated 1834. *In 19 sections of various sizes, each about 25 inches by 21.* MSS.

“Key to the GANJAM SECTIONS” (being an Index Map to the foregoing Survey. *Scale, 6 miles to 1 inch; size, 25 inches by 19.* MS.

Report of the SURVEY of GOOMSUR in 1836–37. Introductory Letter. Geographical Notice. The Khond Malias. Sooradah Zemindary. Runnabah. Corada. Ponderkhol. Komerabady and Gooloodoye. General remarks. List of Passes to the Khond country. Routes to the Khond country above the Ghauts. Report on the general face of the country in Boad, Chokapad, &c. Routes. Statistics. Route from Coomaraeoo, near Woodigerry, and general description. Routes from Nowgam in Goomsur to Nagpoor, and from Nagpoor to Goonipoor in Jeypoor, with remarks. Prices in Ryepoor and Bundara bazaars. Notes on the countries between Ganjam and Nagpoor. Letter from Lieut. Hill, dated Ganjam, 2nd July 1838, containing geographical notes and remarks on the repression of human sacrifices. By Lieut. C. T. Hill, Assistant Surveyor-General. *Foolscap folio, unbound.*

A Sketch of the OPERATIONS in GOOMSUR during January, February, March, April, May, and June, 1836, marked No. 2. Signed C. T. Hill, Lieut., Assistant Surveyor-General. *Scale, 2 miles to 1 inch; size, 28 inches by 42.* MS.

A Sketch, showing the RELATIVE POSITION of the ZEMINDARIES on the FRONTIERS of GOOMSUR, marked No. 1. Signed C. T. Hill, Lieut., Assistant Surveyor-General, 1836. *Scale, 8 miles to 1 inch; size, 21 inches by 28.* MS.

GANJAM SURVEY. *Scale, 1 mile to 1 inch.* Original Field Sections, numbered 1 to 8. By Capt. C. T. Hill, Assistant Surveyor-General. Ganjam, 1840. S.G.O. Allahabad, 1845. No title. *In 8 sections of various sizes, each about 26 inches by 21.* MSS.

\* \* Parts of Goomsoor, Soorada, &c. between N. Latitudes  $19^{\circ} 40'$  and  $20^{\circ} 20'$ , and E. Longitudes  $84^{\circ} 10'$  and  $84^{\circ} 55'$ .

GANJAM SURVEY. A Survey of Corada, Darungabady, West of Soorada. *Scale, 2 miles to 1 inch.* By Capt. C. T. Hill, Assistant Surveyor-General. S.G.O., Allahabad, 1845. *Size, 25 inches by 22.* MS.

GANJAM SURVEY. Map of the Country between Oodagherry (in Chinna Kimidi), Goomipoorum and Godairy (in Jeypoor). No title. Surveyed and drawn by Sub-Assistant Surveyors R. Howard and C. Snell. Dated Berhampore, 1st October 1845. *Scale, 2 miles to 1 inch; size, 24 inches by 38.* MS.

GANJAM SURVEY. Continuation of the foregoing Map to the West. The Country about Buttelly, Ryaguddah, and Narainputnum (in Jeypore). Surveyed and drawn by Sub-Assistant Surveyors R. Howard and C. Snell. Dated Berhampore, July 1847. *Scale, 2 miles to 1 inch; in 2 sections, marked 1 and 2. Size of No. 1, 25 inches by 38 size of No. 2, 22 inches by 19.* MSS.

GANJAM SURVEY. Season 1855–56. *Scale, 1 mile to 1 inch.* Part of Sumbulpoor, Central Provinces. No title. *In 4 sheets, marked Nos. 1, 2, 4 (No. 3 missing). Size of each, 40 inches by 27.* Original MSS.

GANJAM SURVEY, No. 2. party. Season 1856–57. *Scale, 1 mile to 1 inch.* Ryghur and Sumbulpoor. A portion formerly of S. W. Frontier Agency of Bengal, now in the Central Provinces. *In 8 sheets, numbered I., II., IV., V., VI., VII., VIII., of various sizes, about 22 inches by 21.* MSS.

GANJAM and ORISSA TOPOGRAPHICAL SURVEY. *On the scale of 1 mile to 1 inch.* Original MSS.

Season 1860–61. Five sheets, I., , III., IV., ; Portions of Goomsoor, Pedda and Chinna Kimidi, and Bodogodo, in Ganjam; Jeypur, in Vizagapatam; Patna in Cuttack; and Kalahandi, in Nagpur. *Size of each sheet, 39 inches by 26.*

Season 1861–62. Portion of Bodogodo, in Ganjam.

NOTE.—This portion was left blank in the compiled Map of Season 1860–61, and should be attached thereto, as an extra sheet. *Size, 28 inches by 22.*

Season 1861–62. Sheets I., II., III., IV., V. Portions of Chinna Kimidi, in Ganjam; Jeypur, in Vizagapatam; and Kalahandi, in Nagpur. *In 5 sheets; size of each, 24 inches by 33.*

Season 1862–63. Portions of Chinna Kimidi, in Ganjam (Jeypore Agency); and Kalahandi, Patna, Karial (Kariar), Bodosamar (Borasambar), and Phuljer (Phuljhar), in Nagpur (Central Provinces). *In 10 sheets; scale, 1 mile to 1 inch.*

Season 1863–64. Sheets 1, 2, 3, 4, 5, 6, 7. Portions of Kalahandi, Karial, Noagarh, Patna, and Bodosamar, *Independent* (or native) States under Sumbulpur and of Raipur, in Chatisgurh Division, Central Provinces. *In 7 sheets; size of each, 25 inches by 34.*

Season 1864-65. Sheets 1, 2, 3, 4, 5, 6, 7, 8, 9, 10. Portions of Raipur, Belaspur, and Sumbulpur Districts, in Chatisgurh Division, Central Provinces. *In 10 sheets; size of each, about 24 inches by 40.*

## GANJAM and ORISSA TOPOGRAPHICAL SURVEY.

*Scale, 1 mile to 1 inch. Photozincographs of the original drawings. Size of each sheet, 24 inches by 36; price 2s. each. The following are published:—*

Surveys executed in 1865-6:—Sheets 1, 2, 3, 4, 5, 6, 7, 8.

„ in 1866-7:—7:—1, 2, 3, 6.

## GANJAM AGENCY TOPOGRAPHICAL SURVEY.\* Seasons

1870-71. *Scale, 1 mile to 1 inch. Photozincographs. Size of each, 25 inches by 39.*

Sheet 2. Parts of Purla and Pedda Kimidi.

„ 3. Parts of Gunipur and Purla Kimidi. This sheet is headed “Vizagapatam and Ganjam Agencies Topographical Survey.”\*

„ 5. Part of Purla Kimidi.

„ 7. Parts of Jeypur, Panchipenta, and Salur. This sheet and No. 8 are headed “Vizagapatam Agency Topographical Survey.”\*

„ 8. Part of Vizianagram and Panchipenta.

Index to the Sheets and Sections of the GANJAM and ORISSA as well as the VIZAGAPATAM AGENCY and CENTRAL PROVINCES Topographical Survey, executed from season 1850, by Colonel G. H. Saxton, Capt. G. C. Depree, Mr. J. Dyer, and Mr. J. O. Nicholson, Surveyors in charge. *Scale, 16 miles to 1 inch; size, 30 inches by 36.*

## GANJAM and ORISSA TOPOGRAPHICAL SURVEY. On the (reduced) scale of 4 miles to 1 inch.

Portions of Chinna Kimidi in Ganjam and Kalahandi, Patna, Karial, Bodosamar, and Phuljer in Central Provinces. Season 1862-63. *Size, 33 inches by 23. MS.*

Portions of Kalahandi, Karial, Noagarh, Patna, Bodosamar, and Raipur in Central Provinces. Season 1863-64. *Size, 26 inches by 24. MS.*

Portions of Raipur, Belaspur, and Sumbulpur Districts in Chatisgurh Division, Central Provinces. Season 1864-65. *Size, 39 inches by 25. MS.*

Portions of Noagarh, Konker, Karial, and Raipur in Chateesgurh and Bastar Dependency of Central Provinces, and Jeypur or Vizagapatam Agency. Season 1865-66. *Size, 23 inches by 31. Photograph.*

### *Ganjam Roads.*

Sketch Map showing the direction of the proposed line (of road) from CHICACOLE to ITCHAPOOR *via* SUNTOSHAPORAM, and its connexion with existing communications. 1855. *Size, 18 inches by 18. On tracing cloth. MS.*

Sketch Map showing the direction of the proposed line (of road) from CHICACOLE to CHITTIRALSA, and its connexion with existing communications. *Size, 11 inches by 17. On tracing cloth. MS.*

## MADRAS REVENUE SURVEY OF GANJAM.

### *District Map.*

Sketch Map of the GANJAM DISTRICT. Madras, July 1869. *Scale, 5 miles to 1 inch; size, 36 inches by 24.*

\* NOTE.—There are three different headings on these five sheets. The Index Map to this series in the Topographical Surveys Report for 1873-4 gives it another name, viz., “The Vizagapatam Agency and Central Provinces (new Series) Topographical Survey.”

*Village Maps.**Villages in Kimidi Taluk.*

SOMARAJAPURAM, No. 53. 1865. MS.

## 6. GODAVARI DISTRICT.

Including nine Taluks.

Map of a Survey of the RAJAHMUNDRY\* CIRCAR, under the Presidency of Fort St. George. Executed during the years 1821, '22, '23, and '24 by Captain C. Snell, aided by Assistant Surveyors M. Dunnigan, T. Anderson, and C. Barnett. Reduced from the original sections of that Survey on a scale of one mile to an inch. S.G.O., Madras, 3rd September 1831. *Scale, 2 miles to 1 inch; size, 50 inches by 53.* MS.

RAJAHMUNDRY\* SURVEY. Field copy. *Scale, 1 mile to 1 inch.* In seven sections, marked A., B., C., D., E., F., G. :—

- A. Ashwarowpetta. *Size, 50 inches by 20.*
- B. Gorge of the Godavery. *Size, 50 inches by 24.*
- C. Rajahmundry. *Size, 53 inches by 24.*
- D. Mogultoor. *Size, 48 inches by 26.*
- E. Delta of the Godavery. *Size, 48 inches by 24.*
- F. Yanam, Coringa. *Size, 39 inches by 25.*
- G. Kakeenada. *Size, 55 inches by 36.*

MSS.

Measured Routes in the RAJAMUNDRY\* DISTRICT, in two parts, connected with the Survey of that district, executed in 1821, '22, and '23, under the superintendence of Captain C. Snell. With maps. Geographical and Statistical Memoir of the Rajamundry District in four books: 1. Memoir of the Survey; 2. Description of the Boundary; 3. and 4. Village Register. In two vols. folio, one is half bound; the other, including the Village Register, is in a stiff blue paper cover. MSS.

A rough Sketch of the EASTERN PORTION of the GODAVERY DISTRICT, showing the irrigation and drainage channels. No title, date, or scale. *Size, 14 inches by 20.* MS.

Plan of the Port and Town of Kakinada (Cocanada) shewing the proposed improvements, &c. 1860. *Scale, 100 feet to 1 inch; size, 27 inches by 21.* MS.

Referred to in letter to Secretary of State of 8th May 1860, No. 25. See also pages 555, 592, 595.

## MADRAS REVENUE SURVEY OF GODAVARI DISTRICT.

I. TALUK MAPS *on the scale of 1 inch to 1 mile.*

Map of the AMALAPUR TALUK, GODAVERY DISTRICT, reduced from the Maps of the Revenue Survey, executed in 1859 and '60. By Capt. W. Crewe, 32nd M.N.I., Deputy Superintendent Revenue Survey; and Messrs. J. H. Wright and H. O. C. Cardozo, Assistant Superintendents. With a list of the Villages, their area, and the extent of their cultivation. *Scale, 1 mile to 1 inch; size, 46 inches by 50.*

\* The town of Rajahmundry is now the capital of the Godavari District.

Maps of the following TALUKS in this District are also published with similar titles, and in a uniform style :—

Narsapur.  
Rajamundry.  
Ramachendrapur.

Tanuku.  
Undi, now Bhimavaram.  
Yernagudam.

## II. HYDROGRAPHIC MAPS.

Hydrographic Map of the UNDI TALUQ in the GODAVERY DISTRICT. Reduced from the Revenue Survey Maps. 1860. With a list of the Villages, their areas, and the extent of cultivation. *Scale, 1 mile to 1 inch ; size, 32 inches by 42.*

HYDROGRAPHIC MAP of the CENTRAL DELTA of the Godavery District shewing the Irrigation and Drainage Channels. 1861-70. *Scale, 2 miles to 1 inch ; size, 25 inches by 27.*

HYDROGRAPHIC MAP of the EASTERN DELTA of the Godavery District, shewing the Irrigation and Drainage Channels. 1870. *Scale, 2 miles to 1 inch ; size, 18 inches by 24.*

## III. VILLAGE MAPS, arranged in Taluks.

*Scale, 4 inches to 1 mile.*

### 1. Villages in Amalapur Taluk.

Ainapuram	-	-	No. 156	Godilanka	-	-	No. 125
Ainavalli lanka	-	-	" 86	Gollavilli	-	-	" 136
Allavaram	-	-	" 114	Gopavaram	-	-	" 129
Annampalli, &c.	-	-	" 95	Gapayalanka	-	-	" 116
"	-	-	" 153	Goraganamudi	-	-	" 143
"	-	-	" 157	Gunnepalli	-	-	" 66
"	-	-	" 158	"	-	-	" 105
"	-	-	" 160	Guttinadivi	-	-	" 165
Amlapuram	-	-	" 76	Guttinadiru Vemavaram	-	-	" 166
Ankampalem	-	-	" 11	Idarapalli	-	-	" 77
Atreyapuram	-	-	" 8	Immidivarappad and Gudala	-	-	" 112
Bandarulanka	-	-	" 69	"	-	-	" 113
Bantumilli	-	-	" 145	Indupalli	-	-	" 78
Bhatuavilli	-	-	" 82	Irumanda	-	-	" 147
Bhimanapalli	-	-	" 108	Irusumanda	-	-	" 55
Billakurru	-	-	" 46	Jagannadhapuram	-	-	" 101
Bodasakurru	-	-	" 115	Janupalle	-	-	" 75
Bramhasamedhiem	-	-	" 169	Kamini	-	-	" 90
Challapalli and Surasaniyanam	-	-	" 130	Kandicuppa (2 parts)	-	-	" 150
"	-	-	" 131	Katarlanka	-	-	" 35
Cheyar	-	-	" 142	Katrenikona	-	-	" 148
Chinagadavalli	-	-	" 140	Kattunga	-	-	" 9
Chintallanka	-	-	" 51	Khandrika	-	-	" 45
Chintapallilanka	-	-	" 94	Komanapalli	-	-	" 93
Chirrayanam	-	-	" 149	Komaragiri	-	-	" 162
Chirtapudi	-	-	" 58	Komaragiripatnam (2 parts)	-	-	" 120
Devaguptam	-	-	" 122	Komaraalanka, &c.	-	-	" 17
Devarapalli	-	-	" 106	"	-	-	" 18
Dontikurru	-	-	" 152	"	-	-	" 19
Gadilanka	-	-	" 96	"	-	-	" 20
Gangalakurru	-	-	" 70	"	-	-	" 22
Geddanapalli	-	-	" 151	"	-	-	" 23
Godi	-	-	" 118	"	-	-	" 24

Komarazlanka, &c.	-	-	No. 25	Pata Injiram	-	-	-	No. 163
"	-	-	" 26	Pedgadavalli	-	-	-	" 139
"	-	-	" 27	Pedapudi	-	-	-	" 60
"	-	-	" 28	Penumalle	-	-	-	" 144
"	-	-	" 29	Peravaram	-	-	-	" 1
"	-	-	" 30	Perurukonkapalli	-	-	-	" 79
"	-	-	" 31	Palavaram	-	-	-	" 159
"	-	-	" 32	Pora Pande and Molletimoga	-	-	-	" 170
"	-	-	" 39	" "	-	-	-	" 171
"	-	-	" 40	" "	-	-	-	" 172
"	-	-	" 41	Potavaram	-	-	-	" 38
"	-	-	" 42	Pulidindi	-	-	-	" 5
Korumillipad	-	-	" 37	Pulletikurru	-	-	-	" 57
Kottalanka	-	-	" 97	Rali	-	-	-	" 14
Kottapalli	-	-	" 167	Ravulapalem Utalanka (2 parts)	-	-	-	" 16
Kotipalli	-	-	" 88	Razavaram	-	-	-	" 2
Krapachintalapudi	-	-	" 99	Relugedda	-	-	-	" 126
Kunavaram	-	-	" 134	Sakurru	-	-	-	" 68
Kunchanapalli	-	-	" 154	Samanasa	-	-	-	" 80
Kundaleswaram	-	-	" 155	Samantakurru	-	-	-	" 121
Lakshmipalavaram	-	-	" 21	Sanapalli lanka	-	-	-	" 89
Lakshmiyada	-	-	" 141	Sannavilli	-	-	-	" 137
Lolla	-	-	" 12	Settipalli	-	-	-	" 111
Lutukurtitippa	-	-	" 117	Siragatlappalli	-	-	-	" 119
Machavaram	-	-	" 61	Siripalli	-	-	-	" 85
Madupalle	-	-	" 50	Tadikona	-	-	-	" 128
Modekurru	-	-	" 47	Tandavapalli	-	-	-	" 110
Mogallamori	-	-	" 123	Tanelanka	-	-	-	" 92
Mosalapalli	-	-	" 71	Tondavaram	-	-	-	" 64
Mungonda	-	-	" 62	Tottaramudi	-	-	-	" 87
Mungondapalem (2 parts)	-	-	" 36	Turpulanka	-	-	-	" 124
Munjavaram	-	-	" 63	Uppalaguptam	-	-	-	" 133
Mumidivaram	-	-	" 98	Vadapalim	-	-	-	" 43
Munupalle	-	-	" 138	Vadapalli (2 parts)	-	-	-	" 13
Nadupudi	-	-	" 73	Vadaparru	-	-	-	" 135
Nallamilli	-	-	" 74	Vaddiparru	-	-	-	" 4
Nandampudi	-	-	" 65	Vakkalanka (2 parts)	-	-	-	" 48
Nangavaram	-	-	" 107	Vainateyamkottapalli lanka	-	-	-	" 34
Narikedamilli (2 parts)	-	-	" 10	Vakalagaruvu	-	-	-	" 67
Nedunur, &c.	-	-	" 53	Vauapalli	-	-	-	" 44
"	-	-	" 54	Vannechintalapudi	-	-	-	" 109
"	-	-	" 56	Vasantavada	-	-	-	" 6
"	-	-	" 84	Velicher	-	-	-	" 3
"	-	-	" 94	Velivelapalli (2 parts)	-	-	-	" 52
"	-	-	" 100	Vemavaram	-	-	-	" 83
"	-	-	" 102	Vilasavilli	-	-	-	" 81
"	-	-	" 103	Vubalanka	-	-	-	" 15
"	-	-	" 104	Vuchili	-	-	-	" 7
Nimmakayalakottapalli	-	-	" 132	Vuppudi	-	-	-	" 146
Palagummi	-	-	" 72	Yedurlanka	-	-	-	" 164
Pallankurru (2 parts)	-	-	" 168	Yentrukona	-	-	-	" 127
Pasumalle	-	-	" 49	Yennapalli (2 parts)	-	-	-	" 33
Pasuvullanka	-	-	" 161					

## 2. Villages in Ellore Taluk.

Ambikapuram	-	-	No. 80	Bandancherla	-	-	-	No. 51
Amudalachalaka	-	-	" 89	Barrikonda	-	-	-	" 69
Asanagudem	-	-	" 34	Bhattavarigudem	-	-	-	" 59

Bhimadol -	-	-	No. 110	Lingaraupalem -	-	-	No. 45
Burugagudem -	-	-	" 133	Lingapalem -	-	-	" 105
Chandrannapalem -	-	-	" 107	Malasanigunta -	-	-	" 9
Chataparru -	-	-	" 123	Mallaraupalem -	-	-	" 102
Chintalapudi -	-	-	" 91	Mallayagudem -	-	-	" 88
Dadavalli -	-	-	" 6	Malleswaram -	-	-	" 16
Dasarivarigudem -	-	-	" 58	" -	-	-	" 104
Dechavaram -	-	-	" 48	Madepalli -	-	-	" 126
Dendulur (2 parts) -	-	-	" 120	Mankenapalli -	-	-	" 33
Dharmajigudem -	-	-	" 108	Mathamgudem -	-	-	" 106
Dorasanipad -	-	-	" 15	Mulagalampad -	-	-	" 40
Dosapad -	-	-	" 121	Mupparru (2 parts) -	-	-	" 129
Dwarakatirumala and Kommugudem -	-	-	" 18	Muppavaram -	-	-	" 116
Ellore -	-	-	" 19	Nagulapalli -	-	-	" 109
Erraguntapalli -	-	-	" 134	Narasapuram -	-	-	" 56
Errampalli -	-	-	" 74	Narasimhapuram -	-	-	" 99
Ganaparivarigudem -	-	-	" 93	Padshanagaram -	-	-	" 42
Ganicherla -	-	-	" 37	Palasigudem -	-	-	" 35
Gavaravaram -	-	-	" 66	Pattayagudem -	-	-	" 79
Gokavaram -	-	-	" 135	Pedapad (2 parts) -	-	-	" 130
Gokavaram akkupalli -	-	-	" 44	Petachintalapudi -	-	-	" 63
Gounepalli -	-	-	" 4	Pochavaram -	-	-	" 41
Gopalapuram -	-	-	" 78	Ponukumadu -	-	-	" 101
Gudikunta -	-	-	" 73	Ponangi -	-	-	" 127
Gudipad -	-	-	" 119	Potunur -	-	-	" 87
Gudipadkhandrika -	-	-	" 90	Potunur (2 parts) -	-	-	" 113
Gundngolanu -	-	-	" 75	Pragadavaram -	-	-	" 103
Gundugolanukunta -	-	-	" 112	Pulla -	-	-	" 2
Gunnampalli -	-	-	" 17	Putrepi -	-	-	" 54
Guruvnbhotlagudem -	-	-	" 7	Raghavapuram (4 parts) -	-	-	" 81
Havelilingapalem -	-	-	" 83	Rallagunta -	-	-	" 11
Jagannadhapuram -	-	-	" 25	Ramannapalem -	-	-	" 30
Jajalagunta -	-	-	" 137	Ramannagudem -	-	-	" 24
Jalipadi -	-	-	" 8	Ramasingavaram -	-	-	" 139
Kaikaram -	-	-	" 124	Rangapuram -	-	-	" 39
Kalyanampadu -	-	-	" 1	Rangapuram khandrika -	-	-	" 76
Kamavarapukota -	-	-	" 95	Ranguvarigudem -	-	-	" 60
Kanchanagudem -	-	-	" 29	Ravikampadu -	-	-	" 32
Kantammapalem -	-	-	" 50	Recherla -	-	-	" 72
Kanupade -	-	-	" 65	Rudrakatrazgudem -	-	-	" 53
Kasettivarigudem -	-	-	" 97	Sankachakrapuram -	-	-	" 43
Katrampudi -	-	-	" 61	Satyala -	-	-	" 5
Korvali (2 parts) -	-	-	" 125	Sattenagudem -	-	-	" 10
Ketararam -	-	-	" 122	Satrampad -	-	-	" 136
Kondurupad -	-	-	" 52	Sayannaraupalem -	-	-	" 26
Komirapalli -	-	-	" 3	Settivarigudem -	-	-	" 71
Kommara (South) -	-	-	" 114	Singavaram -	-	-	" 115
" (North) -	-	-	" 12	Sitanagaram -	-	-	" 77
Kottur -	-	-	" 14	Sivapuram -	-	-	" 86
Krottagudem -	-	-	" 132	Somavaram -	-	-	" 70
Kottapalli -	-	-	" 117	Sriramavaram -	-	-	" 46
Krustnaraupalem -	-	-	" 13	" -	-	-	" 118
Krustnapuram -	-	-	" 47	Surappagudem -	-	-	" 111
Kuchampudi (2 parts) -	-	-	" 55	Tadikalapudi (4 parts) -	-	-	" 27
Lakshminarsimhapuram -	-	-	" 138	Tallagudem -	-	-	" 128
Lingagudem -	-	-	" 64	Talarlapalli -	-	-	" 92
Lingaraupalem -	-	-	" 82	Tedlam -	-	-	" 49
	-	-	" 20	Tigalavantsa -	-	-	" 57
	-	-		Timmapuram -	-	-	" 22

Tirumalampalem	-	-	No. 21	Venkatadrigudem	-	-	No. 67
Uppalavarigudem	-	-	38	Venkatakrustnapuram	-	-	23
Vadlapatlanutanam	-	-	28	Venkatapuram	-	-	68
Vatlur	-	-	131	Venkatrayapuram	-	-	85
Velagalapalli	-	-	96	Vurlagudem	-	-	62
Vemulapalli	-	-	36	Yedavalli	-	-	31
Vengammapalem	-	-	100	"	-	-	94
Venkammapalem	-	-	98	Yendapalli	-	-	84

## 3. Villages in Narsapur Taluk.

Adurru	-	-	No. 118	Lutukurru	-	-	No. 123
Antaravedi	-	-	87	Machhapuri	-	-	72
Appanapalli	-	-	129	Machhapuripalem	-	-	73
Apparamunilanka	-	-	90	Madhavayapalem	-	-	58
Atsanta	-	-	5	Makanapalem	-	-	122
Battelanka	-	-	99	Makatapalli	-	-	117
Betamallepudisavaram	-	-	108	Malikipuram	-	-	94
Bhimalapuram Lankas	-	-	12	Mallavaram	-	-	64
Botlakurrudoddavaram	-	-	126	Mamidikuduru	-	-	130
Chinamamidipalli	-	-	60	Manepalli	-	-	137
Chintalapalli	-	-	109	Mattaparru (East)	-	-	103
Deva	-	-	4	Medapad	-	-	38
Digumarru	-	-	44	Mogalikuduru	-	-	134
Doddipatla	-	-	32	Mogaltur	-	-	82
Doddipatla Lankas	-	-	32	Mondepulanka	-	-	138
Ganavaram (2 parts)	-	-	139	Mori	-	-	96
Geddada	-	-	132	Mulaparru	-	-	3
Goganamatham	-	-	116	Mulikipalli	-	-	111
Gondi	-	-	55	Mutyalapalli	-	-	79
Gudapalli	-	-	112	" cultivation 1st part	-	-	79
Gudimellanka	-	-	93	Nagarani	-	-	131
Gummulur	-	-	28	Navarasapuram	-	-	57
Gumparru	-	-	30	Palagummi	-	-	133
Idarada	-	-	121	Panditavellur	-	-	17
Ilapakurru	-	-	33	Paserlapudi Lanka	-	-	124
Irusumanda	-	-	101	Pedamallam Lankas	-	-	7
Jagannadhapuram	-	-	18	Pedamamidipalli	-	-	45
Jinnur	-	-	24	Pedapatnam	-	-	127
Kadali	-	-	120	Pedatippa	-	-	92
Kalagampudi	-	-	54	Pennumadam	-	-	26
Kalipatnam	-	-	77	Penumanchili	-	-	10
Karugorumilli Lankas	-	-	11	Podalada	-	-	107
Katrenipad	-	-	114	Podur	-	-	16
Kattimanda	-	-	97	Ponnamanda	-	-	115
Kavitam	-	-	20	Ramarazlanka	-	-	91
Kaza	-	-	50	Rameswaram	-	-	88
Kesanapalli	-	-	113	Razol (2 parts)	-	-	105
Kodamanehile	-	-	6	Rustambada	-	-	67
Koder (2 parts)	-	-	8	Senkaraguptam	-	-	100
Komarada	-	-	119	Sivakodu (2 parts)	-	-	104
Kopparru	-	-	69	Sompalli	-	-	106
Kottapalli Lanka	-	-	128	Tatipaka	-	-	135
Kummarapurugupalen	-	-	84	Tundurru	-	-	74
Kunavaram	-	-	110	Turputallu	-	-	85
Lakkavaram	-	-	102	Ullamparru	-	-	25
Linganaboinaeharla	-	-	83	Vadrevupalli	-	-	136
Losarigutlapad	-	-	76	Vallur	-	-	13
" cultivation	-	-	76	Varidhanam	-	-	46



Bhimadol -	-	No. 110	Lingaraupalem -	-	No. 45
Burugagudem -	-	133	Lingapalem -	-	105
Chandrannapalem -	-	107	Malasanigunta -	-	9
Chataparru -	-	123	Mallaraupalem -	-	102
Chintalapudi -	-	91	Mallayagudem -	-	88
Dadavalli -	-	6	Malleswaram -	-	16
Dasarivarigudem -	-	58	" -	-	104
Dechavaram -	-	48	Madepalli -	-	126
Dendulur (2 parts) -	-	120	Mankenapalli -	-	33
Dharmajigudem -	-	108	Mathamgudem -	-	106
Dorasanipad -	-	15	Mulagalampad -	-	40
Dosapad -	-	121	Mupparru (2 parts) -	-	129
Dwarakatirumala and Kommugudem -	-	18	Muppavaram -	-	116
Ellore -	-	19	Nagulapalli -	-	109
Erraguntapalli -	-	134	Narasapuram -	-	56
Errampalli -	-	74	Narasimhapuram -	-	99
Ganapavarigudem -	-	93	Padshanagaram -	-	42
Ganicherla -	-	37	Palasigudem -	-	35
Gavaravaram -	-	66	Patteygudem -	-	79
Gokavaram -	-	135	Pedapad (2 parts) -	-	130
Gokavaram akkupalli -	-	44	Petachintalapudi -	-	63
Gonnepalli -	-	4	Pochavaram -	-	41
Gopalapuram -	-	78	Ponukumadu -	-	101
Gopalapuram -	-	73	Ponangi -	-	127
Gudikunta -	-	119	Potunur -	-	87
Gudipad -	-	90	Potunur (2 parts) -	-	113
Gudipadkhandrika -	-	75	Pragadavaram -	-	103
Gundugolanu -	-	112	Pulla -	-	2
Gundugolanukunta -	-	17	Putrepi -	-	54
Gunnampalli -	-	7	Raghavapuram (4 parts) -	-	81
Guruvnbbhotlagudem -	-	83	Rallagunta -	-	11
Havelilingapalem -	-	25	Ramannapalem -	-	30
Jagannadhapuram -	-	137	Ramannagudem -	-	24
Jajulagunta -	-	8	Ramasingavaram -	-	139
Jalipudi -	-	124	Rangapuram -	-	39
Kaikaram -	-	1	Rangapuram khandrika -	-	76
Kalyanampadu -	-	95	Ranguvarigudem -	-	60
Kamavarapukota -	-	29	Ravikampadu -	-	32
Kanchanagudem -	-	50	Recherla -	-	72
Kantammapalem -	-	65	Rudrakatrazgudem -	-	53
Kanupade -	-	97	Sankachakrapuram -	-	43
Kasettivarigudem -	-	61	Satyala -	-	5
Katrapudi -	-	125	Sattenagudem -	-	10
Kovvali (2 parts) -	-	122	Satrampad -	-	136
Ketavaram -	-	52	Sayannarapalem -	-	26
Kondurupad -	-	3	Settivarigudem -	-	71
Komirapalli -	-	114	Singavaram -	-	115
Kommara (South) -	-	12	Sitanagaram -	-	77
" (North) -	-	14	Sivapuram -	-	86
Kottur -	-	132	Somavaram -	-	70
Krottagudem -	-	117	Sriramavaram -	-	46
Kottapalli -	-	13	" -	-	118
Krustnaraupalem -	-	47	Surappagudem -	-	111
Krustnapuram -	-	55	Tadikalapudi (4 parts) -	-	27
Kuchampndi (2 parts) -	-	138	Tallagudem -	-	128
Lakshminarsimhapuram -	-	64	Talarlapalli -	-	92
Lingagudem -	-	82	Tedlam -	-	49
Lingaraupalem -	-	20	Tignlavantsa -	-	57
			Timmapuram -	-	22

Tirumalampalem	-	-	No. 21	Venkatadrigudem	-	-	No. 67
Uppalavarigudem	-	-	" 38	Venkatakrustnapuram	-	-	" 23
Vadlapatlanutanam	-	-	" 28	Venkatapuram	-	-	" 68
Vatlur	-	-	" 131	Venkatrayapuram	-	-	" 85
Velagalapalli	-	-	" 96	Vurlagudem	-	-	" 62
Vemulapalli	-	-	" 36	Yedavalli	-	-	" 31
Vengammampalem	-	-	" 100	"	-	-	" 94
Venkammampalem	-	-	" 98	Yendapalli	-	-	" 84

3. *Villages in Narsapur Taluk.*

Adurru	-	-	No. 118	Lutukurru	-	-	No. 123
Antaravedi	-	-	" 87	Maehhapuri	-	-	" 72
Appanapalli	-	-	" 129	Machhapuripalem	-	-	" 73
Apparamunilanka	-	-	" 90	Madhavayapalem	-	-	" 58
Atsanta	-	-	" 5	Makanapalem	-	-	" 122
Battelanka	-	-	" 99	Makatapalli	-	-	" 117
Betamallepudisavaram	-	-	" 108	Malikipuram	-	-	" 94
Bhimalapuram Lankas	-	-	" 12	Mallavaram	-	-	" 64
Botlakurrudoddavaram	-	-	" 126	Mamidikuduru	-	-	" 130
Chinamamidipalli	-	-	" 60	Manepalli	-	-	" 137
Chintalapalli	-	-	" 109	Mattaparru (East)	-	-	" 103
Deva	-	-	" 4	Medapad	-	-	" 38
Digumarru	-	-	" 44	Mogalikuduru	-	-	" 134
Doddipatla	-	-	" 32	Mogaltur	-	-	" 82
Doddipatla Lankas	-	-	" 32	Mondepulanka	-	-	" 138
Ganavaram (2 parts)	-	-	" 139	Mori	-	-	" 96
Geddada	-	-	" 132	Mulaparru	-	-	" 3
Goganamatham	-	-	" 116	Mulikipalli	-	-	" 111
Gondi	-	-	" 55	Mutyalapalli	-	-	" 79
Gudapalli	-	-	" 112	" cultivation 1st part	-	-	" 79
Gudimellanka	-	-	" 93	Nagaram	-	-	" 131
Gummulur	-	-	" 28	Navarasapuram	-	-	" 57
Gumparru	-	-	" 30	Palagummi	-	-	" 133
Idarada	-	-	" 121	Panditavellur	-	-	" 17
Ilapakurru	-	-	" 33	Paserlapudi Lanka	-	-	" 124
Irusumanda	-	-	" 101	Pedamallam Lankas	-	-	" 7
Jagannadhapuram	-	-	" 18	Pedamamidipalli	-	-	" 45
Jinnur	-	-	" 24	Pedapatnam	-	-	" 127
Kadali	-	-	" 120	Pedatippa	-	-	" 92
Kalagampudi	-	-	" 54	Penumadam	-	-	" 26
Kalipatnam	-	-	" 77	Penumanchili	-	-	" 10
Karugorumilli Lankas	-	-	" 11	Podalada	-	-	" 107
Katrenipad	-	-	" 114	Podur	-	-	" 16
Kattimanda	-	-	" 97	Ponnamanda	-	-	" 115
Kavitam	-	-	" 20	Ramarazlanka	-	-	" 91
Kaza	-	-	" 50	Rameswaram	-	-	" 88
Kesanapalli	-	-	" 113	Razol (2 parts)	-	-	" 105
Kodamanchile	-	-	" 6	Rustambada	-	-	" 67
Koder (2 parts)	-	-	" 8	Senkaraguptam	-	-	" 100
Komarada	-	-	" 119	Sivakodu (2 parts)	-	-	" 104
Kopparru	-	-	" 69	Sompalli	-	-	" 106
Kottapalli Lanka	-	-	" 128	Tatipaka	-	-	" 135
Kummarapurugupalen	-	-	" 84	Tundurru	-	-	" 74
Kunavaram	-	-	" 110	Turputallu	-	-	" 85
Lakkavaram	-	-	" 102	Ullamparru	-	-	" 25
Linganaboinacherla	-	-	" 83	Vadrevupalli	-	-	" 136
Losarigutlapad	-	-	" 76	Vallur	-	-	" 13
" cultivation	-	-	" 76	Varidhanam	-	-	" 46

Vedangi	-	-	No. 22	Vempa	-	-	No. 80
Velagaler	-	-	" 19	Vemuladevi (2 parts)	-	-	" 86
Velivela	-	-	" 63	Viswesarayapuram	-	-	" 98
Vemavaram	-	-	" 14	Yenuguvanilanka	-	-	" 52

\* \* The following numbers are wanting in the foregoing series :—1, 2, 9, 15, 21, 23, 27, 29, 31, 34, 35, 36, 37, 39, 40, 41, 42, 43, 47, 48, 51, 56, 59, 61, 62, 65, 66, 68, 70, 71, 75, 78, 81, 89, 95, 125. See the Map of Narsapur taluk for a complete list.

#### 4. Villages in Peddapur Taluk.

Achintapuram	-	-	No. 63	Pedarayavaram	-	-	No. 42
Aminbada	-	-	" 68	Pedaskenkarlapudi	-	-	" 11
Anur	-	-	" 39	Peddapur (2 parts)	-	-	" 26
Balavaram	-	-	" 65	Peravaram	-	-	" 8
Bhadravaram	-	-	" 9	Potulur	-	-	" 20
Chinabramhadevam	-	-	" 37	Pulimer	-	-	" 22
Divila	-	-	" 21	Ragampeta	-	-	" 25
Doddigunta	-	-	" 54	Rallakhandrika	-	-	" 59
Dentamur	-	-	" 62	Ramanayapeta	-	-	" 2
Gandepalli	-	-	" 48	Rangampeta	-	-	" 43
Gorintada	-	-	" 23	Rangapuram	-	-	" 60
Gudivada	-	-	" 27	Ravutalapudi	-	-	" 18
Guntuvaniipalem	-	-	" 4	Ravutupalem	-	-	" 12
Ilakonu	-	-	" 51	Rayabhupalapattanam	-	-	" 35
Ilapalli	-	-	" 57	Rayavaram	-	-	" 16
Jagapatinagaram	-	-	" 17	Sinagampalli	-	-	" 55
Jaggannatimmapuram	-	-	" 32	Sinagrampalem	-	-	" 46
Kandrakota	-	-	" 31	Sirivada	-	-	" 29
Kapavaram	-	-	" 66	Srotriyarayavaram	-	-	" 36
Kattamur	-	-	" 30	Subhadrammapeta	-	-	" 53
Kattipudi	-	-	" 19	Surampalem	-	-	" 33
Kimmur	-	-	" 5	Tirupatirajapuram (North)	-	-	" 45
Kondapalli	-	-	" 38	" (South)	-	-	" 50
Kotapad	-	-	" 40	Tummalapalli	-	-	" 58
Lakshmipuram (East)	-	-	" 6	Vadisaler	-	-	" 49
Lampakalova	-	-	" 14	Vadlamur	-	-	" 24
Lingamparti	-	-	" 7	Valtimmapuram	-	-	" 34
Mallepalli	-	-	" 44	Venkatapuram	-	-	" 41
Marripudi	-	-	" 56	Virampalem	-	-	" 64
Marritimmapuram	-	-	" 10	Vulimeswaram	-	-	" 28
Mukundavaram	-	-	" 52	Vuttarakanchi	-	-	" 13
Murari	-	-	" 47	Wuppada	-	-	" 67
Nallamilli	-	-	" 61	Yellavaram	-	-	" 3
Narendrapattanam	-	-	" 1	Yellur	-	-	" 15

#### 5. Village in Rajahmundry Taluk.

Venkatrajapuram - - - No. 15.

#### 6. Villages in Ramachendrapur Taluk.

Addampalli	-	-	No. 70	Arevettam	-	-	No. 50
Aitampudi	-	-	" 58	Arikarevula	-	-	" 41
Alamur (2 parts)	-	-	" 157	Artamur	-	-	" 36
Ambikapalli	-	-	" 81	Baduguvanilanka	-	-	" 163
Amuzur	-	-	" 117	Balubhadrapuram	-	-	" 21
Anaparti	-	-	" 25	Balantram	-	-	" 69
Andrangi	-	-	" 71	Bhatlapalika	-	-	" 67
Angara (2 parts)	-	-	" 145	Bhavaram	-	-	" 76
Aratlakatla	-	-	" 6	Bhimakrosupalem	-	-	" 87

Bikkavol	-	-	No. 20	Matukumilli	-	-	No. 54
Bramhapuri	-	-	65	Matsara	-	-	121
Cheduvada	-	-	52	Matsavaram	-	-	128
Chellur	-	-	127	Medapad	-	-	2
Chinadwarapudi	-	-	34	Medapad and Palatodu	-	-	30
Chinamamidada	-	-	46	"	"	-	31
Chintalur	-	-	155	Mellur	-	-	42
Chintapalli	-	-	12	Mernipad	-	-	28
Choppella	-	-	161	Modukur	-	-	150
Draksharama	-	-	107	Mutsumilli	-	-	113
Dwarapudi	-	-	33	Nadurubada	-	-	111
Gandredu	-	-	13	Nallur	-	-	141
Gangavaram	-	-	103	Narasapurapupeta	-	-	44
Gollalamamidada	-	-	15	Narsipudi	-	-	148
Gollapalem	-	-	51	Navabpeta	-	-	149
Gummiler	-	-	151	Nelatur	-	-	135
Ippanapad	-	-	32	Nidasanametta	-	-	138
Jagannadhagiri	-	-	73	Odur	-	-	45
Jagannaikulapalem	-	-	108	Paina	-	-	17
Jannada	-	-	160	Pallipalem	-	-	62
Kaikavol	-	-	5	Pamarru	-	-	118
Kalavacherla	-	-	158	Panangipalli Kurakallapalli	-	-	116
Kaler	-	-	140	"	"	-	125
Kandregula	-	-	8	Pandalapaka	-	-	22
Kandulapalem	-	-	84	Pasalapudi	-	-	112
Kapavaram	-	-	75	Pedabramhadevam	-	-	3
Kapileswarapuram Lankas	-	-	144	Pedapalla	-	-	152
Kasanbada	-	-	85	Pedaparru	-	-	133
Kazalur	-	-	53	Pedapudi	-	-	4
Kesavaram	-	-	27	Peddada	-	-	14
Khandrika (East)	-	-	105	Peker	-	-	68
" (West)	-	-	143	Peniker	-	-	159
Kolanka	-	-	63	Penumalla	-	-	72
Komaripalem	-	-	24	Pillanka	-	-	64
Konkuduru	-	-	18	Pinapalla	-	-	153
Koppavaram (2 parts)	-	-	38	Polamur	-	-	37
Korumilli (2 parts)	-	-	120	Pulugurta	-	-	136
Kota	-	-	96	Puttakonda	-	-	11
Kotipalli	-	-	98	Ramachendrapuram	-	-	110
Kotipallikodavativarichinalankas	-	-	98	Ramavaram	-	-	131
Kotipalli Viravallipalem	-	-	98	Razpalem	-	-	16
"	"	-	99	Sahapuram	-	-	7
Kulla	-	-	100	Sampara	-	-	9
Kumarapriam	-	-	10	Sandipudi	-	-	154
Kundur	-	-	104	Satyavada	-	-	101
Kurada	-	-	47	Siripuram	-	-	78
Kurmapuram	-	-	124	Sivala	-	-	93
Kutukulur	-	-	132	Someswaram	-	-	129
Kuyer	-	-	59	Sundarapalli	-	-	97
Kuyer Uppumilli and Duggi-	-	-		Tadepalli	-	-	79
durroo	-	-	59	Tamarapalli	-	-	102
"	"	-	60	Tanumalla	-	-	57
"	"	-	61	Tapeswaram	-	-	35
Lolla	-	-	130	Tarlampudi	-	-	56
Modiki	-	-	162	Tatapudi (2 parts)	-	-	156
Mahendravada	-	-	39	Teki	-	-	122
Mamidada	-	-	55	Tossipudi	-	-	23
Maredupaka	-	-	134	Totapeta	-	-	86
Masakapalli	-	-	66	Tsodavaram	-	-	82

Undur -	-	-	No. 74	Ventur -	-	-	No. 126
Vadlamur -	-	-	" 139	Vettapalem -	-	-	" 1
Vakada -	-	-	" 48	Vulapalli -	-	-	" 19
Vakatippa -	-	-	" 119	Vutrumilli -	-	-	" 114
Vallur -	-	-	" 137	Yanamadala -	-	-	" 80
Vatrapudi -	-	-	" 88	Yandagandi -	-	-	" 123
Vendurumudi -	-	-	" 142	Yandamur -	-	-	" 49
Vedurupaka -	-	-	" 40	Yedide -	-	-	" 147
Velagatodu -	-	-	" 29	Yerapotavaram -	-	-	" 91
Velampalem -	-	-	" 115	Yernpalli -	-	-	" 109
Velangi (2 parts)	-	-	" 77	Zemindary and Proprietary Villages	-	-	" 89
Vella -	-	-	" 83	"	"	-	" 90
Vemulapalli -	-	-	" 26	"	"	-	" 92
Vendra -	-	-	" 43	"	"	-	" 94
Venkatayapalem -	-	-	" 106	"	"	-	" 95

### 7. Villages in Tanuku Taluk.

Ainapuram*	-	-	No. 100	Iragavaram*	-	-	No. 86
Aitampudi -	-	-	" 84	Jalagamvarikhandrika*	-	-	" 24
Akutigapad -	-	-	" 153	Jidigunta*	-	-	" 14
Alampuram -	-	-	" 48	Jidiguntalanka*	-	-	" 13
Alamur -	-	-	" 116	Juttiga -	-	-	" 97
Aravalli -	-	-	" 125	Kagnpad -	-	-	" 172
Atlapad*	-	-	" 21	Kakaraparru -	-	-	" 67
Attili -	-	-	" 131	Kakarlamudi -	-	-	" 163
Azzaram*	-	-	" 66	Kakiler -	-	-	" 101
Badampudi -	-	-	" 169	Kalavacherla*	-	-	" 15
Ballipad -	-	-	" 54	Kaldhari -	-	-	" 26
Bendalapalem -	-	-	" 49	Kanakayapalnm -	-	-	" 50
Bhatlamugutur -	-	-	" 119	Kannayakumuddavalli -	-	-	" 74
Bodapad -	-	-	" 146	Kannur*	-	-	" 34
Bramhanagudem*	-	-	" 5	Kanuragraharam*	-	-	" 35
Chibrol -	-	-	" 177	Kanter -	-	-	" 98
Chibrolukhandrika -	-	-	" 178	Kantsunarru -	-	-	" 129
Chigurulanka*	-	-	" 8	Kapavaram*	-	-	" 70
Chilakapad*	-	-	" 41	Karravarisavaram*	-	-	" 62
Chintapalli -	-	-	" 147	Kasipad -	-	-	" 148
Chivatam*	-	-	" 61	Kattuvapad -	-	-	" 120
Cherukuvada -	-	-	" 83	Kavalipuram -	-	-	" 91
Dammennu*	-	-	" 28	Klaudavalli -	-	-	" 72
Daravaram*	-	-	" 6	Khandrika*	-	-	" 73
Darisaparru -	-	-	" 150	Komarru -	-	-	" 137
Dasullakumudavalli -	-	-	" 136	Komnara -	-	-	" 133
Doutavaram -	-	-	" 173	Komaravaram*	-	-	" 88
Duvva -	-	-	" 51	Kondaynapalem -	-	-	" 52
Eletipad (2 parts)	-	-	" 78	Kond opad -	-	-	" 141
Garuvuguntakhandrika*	-	-	" 79	Korumilli -	-	-	" 142
Gopavaram*	-	-	" 17	Korupalli*	-	-	" 32
Gopinadhapatnam -	-	-	" 176	Kottapad*	-	-	" 99
Goter* -	-	-	" 89	Kothalaparru -	-	-	" 110
Gummampad*	-	-	" 55	Kottapalli -	-	-	" 71
Gunaparru -	-	-	" 161	Koyetipad*	-	-	" 115
Idur -	-	-	" 128	Krustnayapalem -	-	-	" 47
Ilaparru -	-	-	" 106	Maddur*	-	-	" 7
Ilindalaparru -	-	-	" 87	Maddurlanka*	-	-	" 9
" -	-	-	" 94	Mallepudi -	-	-	" 95

\* These villages are, according to the maps, in Relangi zemindari.

Malleswaram - - -	No. 81	Ravipad - - -	No. 143
Mandapaka* - - -	56	Ravulaparru - - -	174
Mamudur - - -	124	Relangi - - -	92
Manchili - - -	130	Satyavada* - - -	43
Markondapad - - -	2	Satyavaram - - -	114
Maruter - - -	111	Sajapuram* - - -	58
Minavillur - - -	139	Senkarapuram* - - -	20
Morta* - - -	27	Settipeta - - -	22
Moyer - - -	135	Siddhantam - - -	105
Muddapuram - - -	45	Singanamuppavaram* - - -	4
Mudunur - - -	149	Singavaram - - -	23
Mukkamala - - -	68	Skinnerpuram - - -	127
Munamarri - - -	109	Surampndi - - -	76
Munupalli* - - -	31	Suryaravupalem - - -	44
Muppavaram* - - -	16	Tadiparru* - - -	39
Muppartipad - - -	134	Tallamudunnurpad - - -	151
Nadupalli* - - -	29	Tallapuram - - -	179
Narsimha apparavupuram - - -	165	Tamarada - - -	108
Navabpalem - - -	46	Tannuku - - -	65
Neghipudi - - -	112	Tetali - - -	59
Nelamur - - -	118	Timmarazpalem* - - -	19
Nandamur* - - -	25	Tiparru* - - -	37
Nandigampad* - - -	3	Tirupatipuram - - -	140
Nelatur* - - -	1	Umamaheswaram - - -	156
Nidadavol* - - -	18	Undrajavaram* - - -	40
Padala - - -	168	Ungutur - - -	175
Paidiparru* - - -	57	Unikili - - -	126
Palangi* - - -	63	Usulamarru - - -	36
Palmar - - -	123	Vadali - - -	104
Pali - - -	93	Vaddur - - -	60
Pahr - - -	132	Vadur - - -	117
Pandulaparrulankas* (2 parts) - - -	12	Vallurpalli - - -	145
Parimella - - -	158	Vanampalli - - -	113
Pasalapudi - - -	42	Varighed - - -	53
Peker - - -	80	Velagadurru - - -	38
Pendyala* - - -	33	Velivennu* - - -	30
Pentapad - - -	152	Velpur - - -	90
" - - -	154	Vemavaram - - -	64
Penngonda - - -	102	" - - -	82
Peravalli - - -	69	Venkatadriapparavupuram - - -	164
Pippara - - -	138	Venkatramapuram - - -	103
Podalada - - -	121	Vijheswaram* - - -	10
Purushottapalli* (2 parts) - - -	11	Vipparru (East) - - -	75
Racherla - - -	144	" (West) - - -	159
Ramannapalem - - -	107	Vogidi* - - -	85
Rameswaram - - -	96	Yagarlapalli - - -	167
Rapaka* - - -	77	Yallamilli - - -	170
Ratsur - - -	162	Yanatapalli - - -	157

8. Villages in Undi Taluk.†

Adivikolanu† - - -	No. 141	Andalur - - -	No. 25
Aibhimavaram - - -	94	Annaram - - -	57
Akuvidu† - - -	98	Aratlakatla - - -	17
Amudalapalli† - - -	145	Ardhavaram† - - -	113
Anakoderu - - -	51	Aredu† - - -	109

\* These villages, according to the maps, are in Relangi zemindari.

† This taluk appears to be named Bhimavaram in the Madras Census.

‡ These villages, according to the maps, are in Kykalur zemindari.

Artamur	-	-	No. 103	Konitivada	-	-	No. 20
Azzamur*	-	-	" 96	Kopalli -	-	-	" 74
Bainepalli*	-	-	" 147	Korrapad	-	-	" 30
Ballipad	-	-	" 9	Korukollu	-	-	" 40
Balusumudi	-	-	" 49	Kovada	-	-	" 55
Bavayapalem*	-	-	" 126	Krottapalli*	-	-	" 111
Betapudi	-	-	" 33	Krovvidi*	-	-	" 107
Bhimavaram	-	-	" 54	Krustnapuram* (Agraharam)	-	-	" 128
Bobbanalanka	-	-	" 13	Kumadavalli	-	-	" 44
Bondada	-	-	" 76	Kuppanapudi*	-	-	" 95
Buvvanapalli*	-	-	" 134	Lankalakoder	-	-	" 6
Chanamilli*	-	-	" 127	Madivada*	-	-	" 97
Cherukugamana*	-	-	" 118	Madugupolavaram	-	-	" 18
Cherukumilli	-	-	" 93	Mahadevapatnam	-	-	" 60
Chilukur	-	-	" 62	Maipa -	-	-	" 41
Chiuamiram	-	-	" 53	Mainidipudi (2 parts)	-	-	" 88
Chinakapavaram*	-	-	" 105	Mandalaparru*	-	-	" 137
Chinanindrakolanu*	-	-	" 144	Medavaram	-	-	" 80
Chinapuller	-	-	" 78	Mentipudi	-	-	" 14
Chinaramachendrapuram*	-	-	" 135	Mogallu	-	-	" 39
Chintaparru	-	-	" 5	Muggulla*	-	-	" 115
Chodavaram	-	-	" 4	Nadipalli	-	-	" 32
Devaragopavaram*	-	-	" 146	Naganamilli*	-	-	" 133
Dharmapuram*	-	-	" 100	Nannur	-	-	" 24
Doddanapudi	-	-	" 87	Narasimhapuram	-	-	" 56
Dnggulu*	-	-	" 8	Narsimhapuram*	-	-	" 139
Dumpagadapa*	-	-	" 99	Narasingarajapuram	-	-	" 71
Emunepalli	-	-	" 34	Nelapogula	-	-	" 19
Ganapavaram*	-	-	" 124	Nidamaru*	-	-	" 138
Garagaparru	-	-	" 42	Palakoder	-	-	" 43
Gollalakoder	-	-	" 59	Palamur	-	-	" 7
Gopavaram* (Agraharam)	-	-	" 117	Panulaparru*	-	-	" 69
Goraganamudi	-	-	" 37	Panduvva*	-	-	" 110
Gorlamudi	-	-	" 48	Panduvvakhandrika*	-	-	" 66
Gummur*	-	-	" 104	Pedakapavaram*	-	-	" 106
Gunupudi	-	-	" 45	Pedaameram	-	-	" 72
Ilampudi	-	-	" 75	Pedanindrakalanu*	-	-	" 143
Jagannadhapuram	-	-	" 136	Pedapuller	-	-	" 79
Jakkavaram	-	-	" 77	Pedarannachendrapuram*	-	-	" 132
Kakaramilli*	-	-	" 131	Pennada	-	-	" 36
Kakinada	-	-	" 114	Pratallameraka	-	-	" 90
Kalavapudi (2 parts)	-	-	" 89	Putsalapalli	-	-	" 86
Kaligotla*	-	-	" 108	Railam	-	-	" 50
Kalisapudi	-	-	" 81	Rayakuduru	-	-	" 16
Kalla (2 parts)	-	-	" 85	Sanivada	-	-	" 11
Kallakur	-	-	" 91	Saripalli*	-	-	" 125
Kapavaram	-	-	" 3	Siddapuram*	-	-	" 129
Karukuvada	-	-	" 31	Sisali (2 parts)	-	-	" 84
Kesavaram*	-	-	" 116	Sivadevunnichikala	-	-	" 10
Kolanapalli	-	-	" 83	Srungavruksham	-	-	" 29
Kolamur*	-	-	" 68	Tader	-	-	" 35
Kollaparru*	-	-	" 101	Taratava*	-	-	" 102
Komarada	-	-	" 47	Tillapudi	-	-	" 12
Kommara*	-	-	" 122	Timmaravugudem*	-	-	" 142
Kommuchikkala	-	-	" 111	Tokalapalli*	-	-	" 148
Kondepudi	-	-	" 26	"	-	-	" 22
Konduvapad	-	-	" 64	Toler	-	-	" 23

\* These villages, according to the maps, are in Kykalur zemindari.

Undi - - -	No. 70	Vemavaram - - -	No. 21
Unudurru - - -	" 65	Vempad - - -	" 52
Uppulur* - - -	" 67	Vendra (2 parts) - - -	" 27
Vakapalli* (Mokasia) - - -	" 119	Vendra - - -	" 28
Valamaru - - -	" 2	Vireswarapuram* - - -	" 120
Vandram - - -	" 73	Viravasaram (3 parts) - - -	" 15
Varadarajapuram* - - -	" 112	Vissakoder - - -	" 38
Velivarru - - -	" 61	Vollur* - - -	" 121
Velagapalli* - - -	" 123	Yanamadurru - - -	" 46
Vellatur - - -	" 58	Yandagandi - - -	" 63
Venkatapuram* - - -	" 140	Yelurpad - - -	" 92

## 9. Villages in Yernagudam Taluk.

Amarangabad - - -	No. 7	Krustnampalem - - -	No. 71
Anantapalli - - -	" 57	Kumaradevam - - -	" 3
Arikarevula - - -	" 4	Kunavaram - - -	" 41
Arugolanu - - -	" 31	Kunchanapalli - - -	" 33
Arulla - - -	" 29	Madhavaram - - -	" 25
Avapad (2 parts) - - -	" 61	Mallavaram - - -	" 11
Aiyavaram - - -	" 66	Marampalli - - -	" 28
Ajjarala - - -	" 37	Marellamudi - - -	" 63
Bandapuram - - -	" 51	Nallacherla (2 parts) - - -	" 60
Chagallu - - -	" 18	Nallamadu (2 parts) - - -	" 62
Chandravaram - - -	" 10	Nandamur - - -	" 15
Chikkala (2 parts) - - -	" 49	Pallantla - - -	" 54
Chipurugudem - - -	" 59	Pangidigudem - - -	" 67
Dandigara - - -	" 26	Parimpudi (2 parts) - - -	" 72
Devarapalli (2 parts) - - -	" 53	Pasivedala - - -	" 14
Dommer - - -	" 16	Pasivedalajimma - - -	" 13
Dubacherla - - -	" 65	Pattennapalem - - -	" 43
Duddukur - - -	" 50	Peddireddigudem - - -	" 55
Ganapavaram - - -	" 74	Penakanametta - - -	" 2
Gavurupalli - - -	" 12	Potavaram - - -	" 56
Gopalapuram - - -	" 52	Prakkelanka lankas - - -	" 75
Isukapatta - - -	" 17	Prattipad - - -	" 32
Jagannadhapuram - - -	" 27	Ravimetta - - -	" 24
Jagganapeta - - -	" 40	Rajavaram - - -	" 68
Kadakatla - - -	" 36	Tadepalli - - -	" 38
Kadiyedda - - -	" 45	Tadimalla - - -	" 48
Kalavalipalli, Surapuram, and Vunakaramilli - - -	" 20	Tadepalligudem - - -	" 35
" - - -	" 21	Taduvoyi - - -	" 73
" - - -	" 23	Tirumalapuram - - -	" 69
Katakuteswaram - - -	" 22	Togummi - - -	" 8
Kavulur - - -	" 58	Unagatla - - -	" 19
Ketavaram - - -	" 70	Vadapalli - - -	" 9
Kommugudem - - -	" 44	Vijeswarapuram - - -	" 1
Konala - - -	" 30	Velagapad - - -	" 64
Konduprolu - - -	" 34	Vemulur - - -	" 6
Korumamidi - - -	" 46	Virampalem - - -	" 42
Kovvur - - -	" 5	Venkatramunigudem - - -	" 39
		Vissampalem - - -	" 47

\* These villages, according to the maps, are in Kykalur zemindari.



## 7. KRISHNA DISTRICT.

Including twelve Taluks.

*Masulipatam Survey.\**

Map of the COLLECTORATE of MASULIPATAM, including the Circars of Condapilly and Masulipatam, to which are added the small Districts of Moonagalah and Lingagerry insulated within the Nizam's Territories, also the several portions of the District of Gani-Atcoor belonging to the Nizam, included within the Company's Territories. The whole from actual Survey in 1816-17 by Assistant Surveyors Scott, Hamilton, and Summers. *Scale, 4 miles to 1 inch ; size, 32 inches by 46.* MS.

Three Sections of the MASULIPATAM (Krishna) SURVEY  
*Scale, 1 mile to 1 inch.* Received in 1818. No title. MSS.

D. 79. Davereotta. *Size, 27 inches by 29.*

D. 80. Anvinnagudda, Pt. Divy. *Size, 22 inches by 27.*

D. 81. Masulipatam. *Size, 23 inches by 20.*

Statistical Tables of the SURVEY of the GUNTOOR DISTRICT:  
1817-18. Large oblong folio, half-bound. MS.

Report of the BOUNDARY between GUNTOOR and MASULIPATAM DISTRICT, along the KISTNA RIVER, dated 18th October 1850. Fcap., unbound. MS.

Plan of the FORT of MASULIPATAM, showing each separate holding. Surveyed under the orders of Captain R. T. Pratt, Deputy Superintendent Revenue Survey, Kistna District. Madras, 24th April 1860. *Scale, 48 inches to 1 mile, or 110 feet to 1 inch ; size, 49 inches by 38.* MS.

Plan of the FORT of MASULIPATAM. 1860. *Scale, 130 yards to 1 inch ; size, 16 inches by 21.* MS.

*Guntoor Surveys.*

Geographical and Statistical Memoir of the SURVEY of the MOORTEZANUGGUR or GUNTOOR CIRCAR, commenced by the officers of the Military Institution in the springs of 1815 and 1816, and resumed in August 1817 by a party of Assistant Surveyors under the superintendence of Lieutenant F. Mountford, 6th Regt. N. I. In 2 vols., folio, half bound. MS.

Map of the GUNTUR COLLECTORATE.† Surveyed partly by the officers of the Military Institution, and afterwards by a party of Assistant Surveyors under the superintendence of Lieut. F. Mountford, in the years 1815, '16, '17, '18, and '19. S.G.O., Madras, 22nd December 1827. *Scale, 4 miles to 1 inch ; size, 43 inches by 38.*

\* \* With a marginal register of the villages, and explanations. MS.

Map of the GUNTOOR CIRCAR, including that of NIZAMPATAM. Reduced from the original sections of the survey executed in 1817, '18, and '19. S.G.O., Calcutta, October 1827. *Scale, 4 miles to 1 inch ; size, 34 inches by 40.*

\* \* With a marginal register of the villages, and remarks. MS.

\* Masulipatam or Bundar is now a town and taluk of Krishna District. The name is here used in a larger sense which it has ceased to bear.

† Guntoor is now a town and taluk in Krishna District. It is here used in a larger sense which it has ceased to bear.

Memoir of the NIZAMPATAM \* CIRCAR in the GUNTOOR DISTRICT (now part of Krishna District), surveyed under the superintendence of Lieutenant F. Mountford, and afterwards under Assistant Surveyor M. Dunnighan, during the years 1817, '18, '19, and '20. Folio, 48 pages, stiff cover. MS.

ROADS from GUNTOOR, by YELCHOOR, to INNEKONDU and KOORCHAI, south-westerly, INNEKONDU to KARUMPOODEE, and a cross road to PEDGOORAL, thence by DHOOPELLA and MEDKONDOOR to GUNTOOR. Surveyed in July and August 1819, by Andrew Chamarett, Assistant-Surveyor. With maps. In 1 vol., folio, half bound. MSS.

Road SURVEYS continued from GUNTOOR to the KISTNA RIVER, eastward. Surveyed in May 1819 by Charles Barnett, Assistant-Surveyor. With maps. In 1 vol., folio, half bound. MSS.

Geographical Memoir of the DISTRICT of PALNAUD in the ZILLAH of GUNTOOR (now Kistna District). Surveyed by Messrs. F. Hill and R. Long, Assistant-Surveyors, in the year 1829, under the superintendence of Lieutenant H. Morland. With sketches, including an ancient pillar, with an inscription, at Goojral, ancient tombs, and a pillar near Carumpoody. Folio, 38 pages, stiff cover. MS.

CHANASHOOMAREE of the VILLAGES dependent on the DISTRICT of PALNAUD in the GUNTUR† CIRCAR, for the year 1829, to accompany the Memoir. Folio. MS.

#### *Ellore Survey.‡*

Six field sections of the ELLORE SURVEY. *Scale, 1 mile to 1 inch.*  
No date or title. MSS.

- No. 1. Chintalapooddy. *Size, 26 inches by 22.*
- No. 2. Pentepad. *Size, 22 inches by 25.*
- No. 3. Oongootoor. *Size, 19 inches by 20.*
- No. 4. Kamavurrapookota. *Size, 24 inches by 22.*
- No. 5. Ellore. *Size, 22 inches by 27.*
- No. 6. Nidadavol. *Size, 28 inches by 22.*

Description of the BOUNDARIES of the ELLORE SURVEY.  
Village Register. Triangles of the Ellore Survey. Bearings and distances. In 1 vol., folio, half bound. MS.

Memoir of the SURVEY of the DISTRICT of ELLORE, surveyed by a party of Assistant-Surveyors from the end of the year 1819 to the beginning of 1821. Copied from original crude materials. Signed, D. Montgomerie, Deputy Surveyor-General. In 1 vol., folio, half bound. MS.

ELLORE SURVEY. 1. Routes through the northern parts of Ellore. 2. Routes comprehending the military road from Purrakeed and Ellore, by Anantapillee towards Rajahmundry, also the lower or Tappal road leading thither by Nidadavol from Goondagol and Kykaram to Madawaram. Surveyed in 1820 by Assistant-Surveyors T. Anderson and C. Barnett. With maps. In 1 vol., folio, half bound. MS.

Map of the TRUNK ROADS in the KISTNAH DIVISION.  
Chepauk, February 1866. *Scale, 8 miles to 1 inch ; size, 18 inches by 24.* Litho.

\* No longer so called.

† Guntur is now a town and taluk in Krishna District. It is here used in a larger sense which it has ceased to bear.

‡ Ellore is now the name of a village and taluk in Godavery District. It is here used in the larger applications which it formerly bore.

MAPS OF THE CIVIL DIVISIONS OF INDIA.  
MADRAS REVENUE SURVEY OF KRISHNA DISTRICT.

TALUK MAPS, *on the scale of 1 inch to 1 mile.*

Map of the BANDAR (or Masulipatam) TALUK, KISTNA DISTRICT, reduced from the maps of the Revenue Survey. Surveyed in 1859, '60, and '61, by Capt. R. T. Pratt, H.M. 84th Foot, Deputy Supt. Rev. Survey. Chepauk, 1870. *Scale, 1 mile to 1 inch ; size, 48 inches by 56.*

Maps of the following taluks in this district are also published with similar titles, and in a uniform style:—

Bapatla.	Nandigama.
Bezwada.	Narsaraopett.
Gudivada.	Repalli.
Guntur.	Sattenapalli.

\* \* These are included among the specimens of the Madras Revenue Survey by Col. Priestley. See page 315.

Map of the GUDURU PARGANNA in the BANDAR TALUK, KRISHNA DISTRICT. Reduced from the maps of the Revenue Survey, executed in 1859 and 1860, by Capt. R. T. Pratt, 84th Foot, Dept. Supt. Rev. Survey. *Scale, 1 mile to 1 inch ; size, 34 inches by 24.*

II. VILLAGE MAPS, *arranged in Taluks. Scale, 4 miles to 1 inch.*

1. *Villages in Bandar Taluk.*

Akulamannad -	-	-	No. 59	Kalapatham -	-	-	No. 49
Akumarru -	-	-	" 38	Karakolukhandrika -	-	-	" 22
Arisepulli -	-	-	" 15	Kalapatham -	-	-	" 34
Bahussempallem -	-	-	" 88½	Kanipuram -	-	-	" 27
Balliparru -	-	-	" 81	Koppalli -	-	-	" 92
Barrapotupalem -	-	-	" 61	Kudrr -	-	-	" 41
Barrepadu -	-	-	" 5	Lollagaruvu -	-	-	" 71
Buddalapalem -	-	-	" 66	Maehavaram -	-	-	" 45
Chilakalapudi -	-	-	" 42	Madaka -	-	-	" 86
China amudalapad -	-	-	" 119	Mangenapudi -	-	-	" 64
Chiruvollanka -	-	-	" 17	Malleswaram -	-	-	" 108
Chittigudur -	-	-	" 35	Mellamartilanka -	-	-	" 19
Chodavaram -	-	-	" 9	Manimeswram (Agraharam) -	-	-	" 100
Devarapalli -	-	-	" 87	Mopidivilanka -	-	-	" 16
Dirisavalli -	-	-	" 78	Nadupnr -	-	-	" 41
Edlalanka -	-	-	" 3	Nangavaram -	-	-	" 31
Gadepudi (Agraharam) -	-	-	" 72	Nangegadda -	-	-	" 5
Gandram -	-	-	" 56	Nandamur -	-	-	" 85
Gokavaram -	-	-	" 83	Nandigam -	-	-	" 79
Gopananiapalem -	-	-	" 43	Nankedalapalem -	-	-	" 56
Gudur -	-	-	" 49	Nelakurru -	-	-	" 83
Gundapalem -	-	-	" 28	Palatitippa -	-	-	" 14
Gurijepalli -	-	-	" 57	Pedana -	-	-	" 68
Gurinindagunta -	-	-	" 76	Peda Amudalapalli -	-	-	" 110
Jenjuru (Agraharam) -	-	-	" 101	Penumalli -	-	-	" 89
Kakarlamudi -	-	-	" 82	Pinagudur -	-	-	" 50
Kantsakodur -	-	-	" 33	Polatitippa -	-	-	" 24
Kanur -	-	-	" 102	Potlapalem -	-	-	" 62
Kappaladoddi -	-	-	" 69	Potepalli -	-	-	" 44
Kara (Agraharam) -	-	-	" 41	Pullapad (Agraharam) -	-	-	" 88
Kassenupalem -	-	-	" 60	Puligadda -	-	-	" 2

Rajavaram	-	-	No. 36	Taniseputi	-	-	No. 63
Ramarazupalem	-	-	" 63	Tarakutur	-	-	" 34
Rudravaram	-	-	" 29	Varriallapalli	-	-	" 54
Satalur	-	-	" 111	Vartalapalli	-	-	" 90
Singarayapalem	-	-	" 67	Vulavalapudi	-	-	" 30

## 2. Villages in Bapatla Taluk.

Adipudi	-	-	No. 95	Manchala (Agraharam)	-	No. 8
Adivi	-	-	" 87	Mannava	-	" 17
Adusumulli	-	-	" 65	Mantagunta (2 parts)	-	" 75
Annaparru	-	-	" 29	Marripudi	-	" 48
Annavaram	-	-	" 35	Maraboluvallapalem	-	" 88
Appikatla	-	-	" 55	Mattigunta	-	" 119
Appapuram	-	-	" 59	Mootupalli	-	" 117
Aremanda	-	-	" 13	Mullapalem	-	" 82
Bapatla (2 parts)	-	-	" 83	Munupalli	-	" 20
Battukhundipalem	-	-	" 41	Murukondapad	-	" 91
Bhartepudi (Agraharam)	-	-	" 53	Mutlapad	-	" 73
Bodipalem	-	-	" 44	Nandur	-	" 47
Brahamanakodur	-	-	" 7	Narasayapalem	-	" 77
Chebrolu (2 parts)	-	-	" 5	Nayanipalem	-	" 111
Chennubhothapalem (Agraharam)	-	-	" 70	Nereduballi	-	" 62
Cherukur	-	-	" 78	Palaparru	-	" 37
Cheruvu	-	-	" 79	Palapartipad (Agraharam)	-	" 50
Chirala	-	-	" 108	Pallapadu	-	" 25
Daggupad	-	-	" 98	Pandrapad	-	" 23
Dandamudi	-	-	" 14	Partsar (2 parts)	-	" 71
Dappalapudi	-	-	" 18	Patsalatadiparru	-	" 19
Edupad (Agraharam)	-	-	" 67	Panalur	-	" 103
Ganapavaram	-	-	" 85	Pedaganjam	-	" 120
Ganikepudi	-	-	" 30	Pedanandipad	-	" 38
Garikepudi	-	-	" 42	Penukudurupadu	-	" 4
Garnepudi	-	-	" 68	Perala	-	" 86
Gauinevallapalem (2 parts)	-	-	" 89	Ponnar	-	" 15
Gollapudi (Agraharam)	-	-	" 63	Potareddipalem (2 parts)	-	" 6
Gopapuram	-	-	" 45	Pulla	-	" 56
Gudipudi (Agraharam)	-	-	" 61	Pulladipalem	-	" 114
Idupulapad	-	-	" 101	Pusapad	-	" 99
Inagallu	-	-	" 66	Pusalur	-	" 40
Inagartipad	-	-	" 46	Rajulapalem	-	" 36
Iteru	-	-	" 49	Ramanayapalem	-	" 64
Jagarlamudi	-	-	" 1	Ravipadu	-	" 27
"	-	-	" 72	Retur	-	" 58
Kadavakuduru	-	-	" 116	Sandipudi	-	" 33
Kadumann	-	-	" 61	Santanur	-	" 105
Karlapalem (2 parts)	-	-	" 84	Senarapatti	-	" 69
Karimchedu	-	-	" 94	Sriangapuram (Agraharam)	-	" 3
Katrapadu (2 parts)	-	-	" 39	Swarna (Agraharam)	-	" 107
Kesanarappadu (Agraharam)	-	-	" 97	Tenididepadu	-	" 96
Kodananivaripalem (2 parts)	-	-	" 106	Tottempudi (Agraharam)	-	" 11
Kommur (2 parts)	-	-	" 62	Turlapad	-	" 32
Kondapantur	-	-	" 60	Uppalapad	-	" 34
Kopparru	-	-	" 31	Upparapalem	-	" 16
Kottapalli	-	-	" 9	Uppatur	-	" 74
Kottimarla	-	-	" 22	Vada	-	" 92
Kunkatamirru (2 parts)	-	-	" 93	Vadlamudi	-	" 2
Mamillapalli	-	-	" 12	Vallabharanpalem (2 parts)	-	" 43
				Vallur (2 parts)	-	" 24

Vangipuram - - -	No. 26	Vellatur - - -	No. 10
Vankayalapad - - -	" 100	Virannapalem (2 parts) - - -	" 76
Varagani - - -	" 28	Zupudi - - -	" 21
Velicherla (Agraharam) - - -	" 54		

### 3. Villages in Bezwada Taluk.

Ambapuram - - -	No. 57	Mntiyalampad - - -	No. 12
Atkur - - -	" 13	Narsayagudem (Agraharam) - - -	" 25
Chegireddipad - - -	" 10	Nidamanur - - -	" 60
Dassullapalem - - -	" 1	Paidurpad - - -	" 29
Gaddamanugu - - -	" 15	Penchikalapad - - -	" 19
Gannavaram - - -	" 6	Pinapaka - - -	" 24
Gundala - - -	" 64	Poranki - - -	" 72
Ilaprolu - - -	" 30	Parasadam pad - - -	" 66
Jakkampudi - - -	" 50	Ramavarapupad - - -	" 65
Jangalapalli - - -	" 2	Tadepalli - - -	" 23
Karikipad - - -	" 79	Tenner - - -	" 86
Kanur - - -	" 67	Tsandralla - - -	" 4
Ketikelapudi - - -	" 36	Tammalagunta - - -	" 5
Kolavennu - - -	" 85	Uppatur - - -	" 76
Konatanipad - - -	" 81	Vellatur - - -	" —
Kottur - - -	" 27	Velagaler - - -	" 26
Loya - - -	" 21	Velpur - - -	" 75
Maredumaka - - -	" 87	Vemavaram - - -	" 48
Managapad - - -	" 37	Venkalaramanagaram - - -	" 56
Mulapad - - -	" 17	Vidyadharapuram - - -	" 54
Mutiyalampad (Agraharam) - - -	" 59		

### 4. Villages in Gudivada Taluk.

Agadalalanka - - -	No. 239	Chavntapalli - - -	No. 95
Ainakurru - - -	" 225	Chennur - - -	" 16
Ainampudi - - -	" 15	Chettannupad - - -	" 238
" - - -	" 133	Chevendra (Zemindari) - - -	" 173
Alapadu - - -	" 192	Chevr - - -	" 46
Allur (Agraharam) - - -	" 139	Chiruvupalli - - -	" 77
Amaravati - - -	" 154	Chigurukota - - -	" 159
Anamanapudi - - -	" 124	Chilakamudi - - -	" 97
Angalur - - -	" 53	Chinagonnur - - -	" 47
Annavaram - - -	" 86	Chinakamanapudi - - -	" 136
Appapuram - - -	" 180	Chinupalaparru - - -	" 83
Aripirala - - -	" 110	Chinatammidi (Agraharam) - - -	" 35
Atapaka - - -	" 209	Chinaveginamilli - - -	" 229
Atsavaram - - -	" 182	Chinayerukapadu - - -	" 68
Avakur - - -	" 143	Chintalapudi (Agraharam) - - -	" 165
Ayyannapalem - - -	" 107	Chintapad - - -	" 93
Ayyavarirudravaram - - -	" 181	Chirichintala - - -	" 72
Betavol - - -	" 61	Chitram (Agraharam) - - -	" 18
Bhairavapatnam - - -	" 214	Daggunnilli (2 parts) - - -	" 48
Billapadu - - -	" 67	Dakaram - - -	" 130
Bobbirilanka - - -	" 240	Dandiganipudi - - -	" 119
Bodagunta - - -	" 33	Dayyampad - - -	" 218
Bomminampadn - - -	" 140	Devapudi - - -	" 41
Bommulur - - -	" 70	Devaram - - -	" 83
Busanagulla - - -	" 62	Dintakurn - - -	" 76
Chakirudravaram - - -	" 38	Doddipatla - - -	" 201
Chandralla - - -	" 52	Dokiparru - - -	" 10
Chavalipad - - -	" 81	Dondapad - - -	" 98

Gandepudi (Agraharam)	- No. 120	Mallavaram	- - - No. 4
Gangadharapuram	- " 69	"	- " 237
Gannavaram	- " 162	Mamidikolla	- " 19
Gokinampad	- " 137	Mandapadu	- " 66
Golivepalli	- " 123	Mangunurulanka	- " 222
Gonepad (Agraharam)	- " 164	Manurulanka	- " 224
Gongallamudi	- " 121	Mattagunta	- " 151
Gopavaram	- " 184	Merakagudem	- " 125
Gudivada	- " 64	Minapallanka	- " 243
Gudivakalanka	- " 96	Mirimampalem	- " 5
Gudlavalley	- " 38	Modugamudi	- " 164
Gundrallalanka	- " 210	Motur	- " 96
Gunnanapudi	- " 124	Mudinepalli	- " 87
Guraza	- " 85	Mudutallapad	- " 176
Ingilipakalanka	- " 175	Mulakalapalli	- " 141
Janardanapuram	- " 103	Nagavarappad	- " 63
Jangampad	- " 194	Nandigamalanka	- " 174
Kaikalur	- " 211	Nandivada	- " 106
Kakaravada	- " 45	Nattagullalapad	- " 206
Kalavaguntah	- " 26	Nemmalur	- " 7
Kalavagunta	- " 32	Nemmikur (2 parts)	- " 1
Kalavapudi	- " 54	Neratanamudi	- " 118
"	- " 93	Nujella	- " 71
"	- " 163	Nutulapad	- " 104
Kalidindi	- " 65	Paidichintapad	- " 236
Kallapalem	- " 186	Pakerla	- " 6
Kamalapuram	- " 30	Pamulakurru	- " 223
Kamanapudi	- " 34	Paresapalli	- " 3
Kanukollu	- " 129	Parnasakhandrika	- " 91
Kanumarla	- " 43	Pasalapudi	- " 127
Kapavaram	- " 2	Pasumarru	- " 11
Kavutaram	- " 22	Pedagonnur	- " 44
Kochcherla	- " 142	Pedalanka	- " 26
Kodur	- " 79	Pedalingala (Agraharam)	- " 109
Kokkirayalanka	- " 109	Pedapalaparru	- " 94
Kolletikota	- " 241	Pedaveginamilli	- " 230
Kommalamudi	- " 125	Pedavirivada	- " 115
Komarru	- " 134	Pedayarkapad	- " 65
Komaravol	- " 57	Penchikalamirru	- " 199
Komatlalanka	- " 228	Penjendra (Zemiudari)	- " 16
Kondiparru	- " 13	Penumalle	- " 6
Kondur (Agraharam)	- " 189	Perur	- " 90
Kongancherla	- " 26	Pesaramilli	- " 21
Korraguntapalem (Agraharam)	- " 138	Peyyeru	- " 131
Korimerla	- " 8	Polukonda	- " 170
Kottada	- " 195	Polumetla	- " 55
Kovvalanka	- " 221	Ponukumad	- " 117
Kuchchikayalapudi	- " 56	Pottilanka	- " 220
Kudaravalli	- " 114	Potumarru	- " 188
Kudaravallilanka	- " 172	Pramarru	- " 12
Kudumulatippa	- " 232	Prattikollalanka	- " 235
Kummaragunta	- " 27	Prattipad	- " 178
Kurada	- " 51	Prodduvaka (Agraharam)	- " 40
Kurupakalanka	- " 196	Puritepad	- " 49
Lellapudi	- " 128	Putlacheruvu	- " 166
Lingala	- " 160	Ramachendrapuram	- " 73
Lingavaram	- " 102	Ramanapudi	- " 58
Lokumudi	- " 212	Ramapuram	- " 111
Madhavaram (Agraharam)	- " 89	Ramavaram	- " 191
Mallampudi	- " 148	Ratsapatnam	- " 185

Vangipuram - - -	No. 26	Vellatur - - -	No. 10
Vankayalapad - - -	" 100	Virannapalem (2 parts) - - -	" 76
Varagani - - -	" 28	Zupudi - - -	" 21
Velicherla (Agraharam) - - -	" 54		

### 3. Villages in Bezvada Taluk.

Ambapuram - - -	No. 57	Mutiyalampad - - -	No. 12
Atkur - - -	" 13	Narsayagudem (Agraharam) - - -	" 25
Chegireddipad - - -	" 10	Nidamanur - - -	" 60
Dassullapalem - - -	" 1	Paidurpad - - -	" 29
Gaddamanugu - - -	" 15	Penchikalapad - - -	" 19
Gannavaram - - -	" 6	Pinapaka - - -	" 24
Gundala - - -	" 64	Poranki - - -	" 72
Ilaprolu - - -	" 30	Parasadampad - - -	" 66
Jakkampudi - - -	" 50	Ramavarapupad - - -	" 65
Jangalapalli - - -	" 2	Tadepalli - - -	" 23
Karikipad - - -	" 79	Tenner - - -	" 86
Kanur - - -	" 67	Tsandralla - - -	" 4
Ketikelapudi - - -	" 36	Tummalagunta - - -	" 5
Kolavennu - - -	" 85	Uppatur - - -	" 76
Konatanipad - - -	" 81	Vellatur - - -	" —
Kottur - - -	" 27	Velagaler - - -	" 26
Loya - - -	" 21	Velpur - - -	" 75
Maredumaka - - -	" 87	Vemavaram - - -	" 48
Managapad - - -	" 37	Venkalaramanagaram - - -	" 56
Mulapad - - -	" 17	Vidyadharapuram - - -	" 54
Mutiyalampad (Agraharam) - - -	" 59		

### 4. Villages in Gudivada Taluk.

Agadalalanka - - -	No. 239	Chavutapalli - - -	No. 95
Ainakurru - - -	" 225	Chennur - - -	" 16
Ainampudi - - -	" 15	Chettunnapad - - -	" 238
" - - -	" 133	Chevendra (Zemindari) - - -	" 173
Alapadu - - -	" 192	Chevr - - -	" 46
Allur (Agraharam) - - -	" 139	Chiruvupalli - - -	" 77
Amaravati - - -	" 154	Chigurukota - - -	" 159
Anamanapudi - - -	" 124	Chilakamudi - - -	" 97
Angalur - - -	" 53	Chinagonnur - - -	" 47
Annavaram - - -	" 86	Chinakamanapudi - - -	" 136
Appapuram - - -	" 180	Chinapalaparru - - -	" 83
Aripirala - - -	" 110	Chinatummidi (Agraharam) - - -	" 35
Atapaka - - -	" 209	Chinaveginamilli - - -	" 229
Atsavaram - - -	" 182	Chinayerukapadu - - -	" 68
Avakur - - -	" 143	Chintalapudi (Agraharam) - - -	" 165
Ayyannapalem - - -	" 107	Chintapad - - -	" 93
Ayyavarirudravaram - - -	" 181	Chirichintala - - -	" 72
Betavol - - -	" 61	Chitram (Agraharam) - - -	" 18
Bhairavapatnam - - -	" 214	Daggumilli (2 parts) - - -	" 48
Billapadu - - -	" 67	Dakaram - - -	" 130
Bobbirilanka - - -	" 240	Dandiganipudi - - -	" 119
Bodagunta - - -	" 33	Dayyampad - - -	" 218
Bomminampadu - - -	" 140	Devapudi - - -	" 41
Bommulur - - -	" 70	Devaram - - -	" 83
Busanagnalla - - -	" 62	Dintakurru - - -	" 76
Chakirudravaram - - -	" 38	Doddipatla - - -	" 201
Chandralla - - -	" 52	Dokiparru - - -	" 10
Chavalipad - - -	" 81	Dondapad - - -	" 98

Gandepudi (Agraharam)	-	No. 120	Mallavaram	-	-	No. 4
Gangadharapuram	-	" 69	"	-	-	" 237
Gannavaram	-	" 162	Mamidikolla	-	-	" 19
Gokinampad	-	" 137	Mandapadu	-	-	" 66
Golivepalli	-	" 123	Mangunurulanka	-	-	" 222
Gonepad (Agraharam)	-	" 164	Manurulanka	-	-	" 224
Gongallamudi	-	" 121	Mattagunta	-	-	" 151
Gopavaram	-	" 184	Merakagudem	-	-	" 125
Gudivada	-	" 64	Minapallanka	-	-	" 243
Gudivakalanka	-	" 96	Mirimampalem	-	-	" 5
Gudlavaller	-	" 38	Modugamudi	-	-	" 164
Gundrallalanka	-	" 210	Motur	-	-	" 96
Gunnanapudi	-	" 124	Mudinepalli	-	-	" 87
Guraza	-	" 85	Mudutallapad	-	-	" 176
Ingilipakalanka	-	" 175	Mulakalapalli	-	-	" 141
Janardanapuram	-	" 103	Nagavarappad	-	-	" 63
Jangampad	-	" 194	Nandigamalanka	-	-	" 174
Kaikalur	-	" 211	Nandivada	-	-	" 106
Kakaravada	-	" 45	Nattagullapad	-	-	" 206
Kalavaguntah	-	" 26	Nemmalur	-	-	" 7
Kalavagunta	-	" 32	Nemmikur (2 parts)	-	-	" 1
Kalavapudi	-	" 54	Neratanamudi	-	-	" 118
"	-	" 93	Nujella	-	-	" 71
"	-	" 163	Nutulapad	-	-	" 104
Kalidindi	-	" 65	Paidichintapad	-	-	" 236
Kallapalem	-	" 186	Pakerla	-	-	" 6
Kamalapuram	-	" 30	Pamulakurru	-	-	" 223
Kamanapudi	-	" 34	Paresapalli	-	-	" 3
Kanukollu	-	" 129	Parnasakhandrika	-	-	" 91
Kanumarla	-	" 43	Pasalapudi	-	-	" 127
Kapavaram	-	" 2	Pasumarru	-	-	" 11
Kavutaram	-	" 22	Pedagonnur	-	-	" 44
Kochcherla	-	" 142	Pedalanka	-	-	" 26
Kodur	-	" 79	Pedalingala (Agraharam)	-	-	" 109
Kokkirayalanka	-	" 109	Pedapalaparru	-	-	" 94
Kolletikota	-	" 241	Pedaveginamilli	-	-	" 230
Kommalamudi	-	" 125	Pedavirivada	-	-	" 115
Komarru	-	" 134	Pedayarkapad	-	-	" 65
Komaravol	-	" 57	Penchikalamirru	-	-	" 199
Komatlalanka	-	" 228	Penjendra (Zemiindari)	-	-	" 16
Kondiparru	-	" 13	Penumalle	-	-	" 6
Kondur (Agraharam)	-	" 189	Perur	-	-	" 90
Kongancherla	-	" 26	Pesaramilli	-	-	" 21
Korraguntapalem (Agraharam)	-	" 138	Peyyeru	-	-	" 131
Korimerla	-	" 8	Polukonda	-	-	" 170
Kottada	-	" 195	Polumetla	-	-	" 55
Kovvalanka	-	" 221	Ponukumad	-	-	" 117
Kuchchikayalapudi	-	" 56	Pottilanka	-	-	" 220
Kudaravalli	-	" 114	Potumarru	-	-	" 188
Kudaravallilanka	-	" 172	Pramarru	-	-	" 12
Kudumulatippa	-	" 232	Prattikollalanka	-	-	" 235
Kummaragunta	-	" 27	Prattipad	-	-	" 178
Kurada	-	" 51	Prodduvaka (Agraharam)	-	-	" 40
Kurupakalanka	-	" 196	Puritepad	-	-	" 49
Lellapudi	-	" 128	Putlacheruvu	-	-	" 166
Lingala	-	" 160	Ramachendrapuram	-	-	" 73
Lingavaram	-	" 102	Ramanapudi	-	-	" 58
Lokumudi	-	" 212	Ramapuram	-	-	" 111
Madhavaram (Agraharam)	-	" 89	Ramavaram	-	-	" 191
Mallampudi	-	" 148	Ratsapatnam	-	-	" 185



Reddipudi - - -	No. 92	Tamirisa - - -	No. 100
Rimmanapudi - - -	" 14	Tativarru - - -	" 59
Rudrupak - - -	" 169	Utkur - - -	" 39
Saidepudi - - -	" 99	Vadali (Agraharam) - - -	" 132
Sanarudravaram - - -	" 156	Vadarlapad - - -	" 204
Sankarshanapuram - - -	" 80	Vanudurru - - -	" 32
Satalayalanka - - -	" 233	Varahapatnam - - -	" 203
Siddhantam - - -	" 75	Vemavaram - - -	" 24
Siddhapuram - - -	" 197	Vemavarapalem - - -	" 25
Singapuram - - -	" 207	Vemugunta - - -	" 17
Singavaram - - -	" 82	Venkatapuram - - -	" 187
Sipudy - - -	" 60	Vennanapudi - - -	" 113
Sitanapalli (Agraharam) - - -	" 202	Vinjiram - - -	" 183
Sobhanadripuram (Agraharam) - - -	" 179	Vunikili - - -	" 168
Someswaram - - -	" 193	Vurimidilanka - - -	" 102
Sripartilanka - - -	" 226	Vurivi - - -	" 34
Strinivasapuram (Agraharam) - - -	" 108	Yadavalli - - -	" 152
Tadinada - - -	" 190	Yalakurru (Agraharam) - - -	" 9
Takkellapad (Agraharam) - - -	" 177	Yedepalli - - -	" 43
Tamarakollu - - -	" 158		

### 5. Villages in Guntur Taluk.

Abbirazupalem - - -	No. 8	Kolanukonda (Agraharam) - - -	No. 23
Ainavol (Agraharam) - - -	" 37	Kondajagarlamudi (Agraharam) - - -	" 120
Agatavarapad - - -	" 87	Kondamrazpalem - - -	" 10
Anantavaram (2 parts) - - -	" 42	Kondepadu - - -	" 110
Anantavarapad (Agraharam) - - -	" 96	Koppuravur - - -	" 67
Atmakur - - -	" 32	Koritepad - - -	" 89
Bandarupalli (2 parts) - - -	" 60	Kornipadu - - -	" 94
Bejatpuram (2 parts) - - -	" 54	Kovelamudi - - -	" 103
Borupalem - - -	" 7	Kunehanapalli (Agraharam) - - -	" 22
Budampad - - -	" 97	Kuragallu (2 parts) - - -	" 36
Chemallamudi - - -	" 101	Kurunutala - - -	" 112
Chinakakani - - -	" 64	Lam - - -	" 69
Chinapalakur (2 parts) - - -	" 71	Latsanagudipudi - - -	" 53
Chinavadlapudi - - -	" 29	Lemallepad - - -	" 102
Chirravur - - -	" 26	Lingayapalem - - -	" 11
Damarapalli (2 parts) - - -	" 70	Malkapuram (Agraharam) - - -	" 14
Devarayabhotlapalem - - -	" 80	Mallayapalem - - -	" 117
Endrayi - - -	" 45	Mandadam - - -	" 15
Etukur (2 parts) - - -	" 95	Mandapad - - -	" 57
Garapad - - -	" 109	Mangalagiri - - -	" 34
Godavarru (2 parts) - - -	" 100	Marripalem (Agraharam) - - -	" 121
Gorantla - - -	" 73	Misaragadda Anantavaram (Agraharam) - - -	" 84
Gottipad - - -	" 119	Motadaka - - -	" 49
Gundumeda (2 parts) - - -	" 25	Mutlur - - -	" 104
Guntur (2 parts) - - -	" 88	Nallapad - - -	" 39
Gurzavoluguntapalem - - -	" 118	" - - -	" 90
Harichendrapuram - - -	" 4	Narakodur - - -	" 99
Idulapalem (Agraharam) - - -	" 114	Navulur (3 parts) - - -	" 35
Ippatan - - -	" 13	Nekkallu - - -	" 41
Jonnalagadda - - -	" 68	Nidamaruru - - -	" 63
Kakani - - -	" 75	Nidumukkala - - -	" 52
Kanteru - - -	" 66	Nutakki - - -	" 28
Kanthamrazkondur - - -	" 78	Pamulapad - - -	" 55
Karlupudi (2 parts) - - -	" 48	Pedamaddur - - -	" 1
Katrapad - - -	" 107		

Pedaparimi - - -	No. 50	Tangellamudi - - -	No. 81
Pedavadlapudi - - -	30	Tsavadavaram - - -	113
Penumaka - - -	18	Tullur - - -	40
Penumuli - - -	79	Uddandarayunipalem - - -	12
Pechikalapalem - - -	5	Ungutur - - -	46
Ponnikallu - - -	61	Unnava - - -	122
Pottur - - -	93	Uppalapad (2 parts) - - -	76
Prattipad - - -	116	Vaddamannu - - -	44
Ramachendrapuram - - -	27	Vaikuntapuram - - -	3
" (Agraharam) - - -	91	Vejendla - - -	98
Ravela - - -	56	Velagapudi - - -	13
Rayapudi - - -	9	Venigundla - - -	74
Sakhamur (2 parts) - - -	38	Venkatapalem - - -	16
Suddapalli - - -	85	Vundavalli - - -	19
Tadepalli - - -	21	Yamaru - - -	108
Takkellapadu - - -	86		

## 6. Villages in Krosur \* Taluk.

Amaravati - - -	No. 58	Gollapad - - -	No. 166
Aminbada - - -	185	Grandhisiri - - -	96
Anantavaram (Agraharam) - - -	64	Gudibanda - - -	6
Attalur - - -	92	Gudipad - - -	58
Balemarru (Agraharam) - - -	94	Gudipudi - - -	128
Balijepalli - - -	52	Gujjarlapudi - - -	116
Balusupad - - -	88	Gullapalli - - -	46
Bayyavaram - - -	93	Gundalapad (Agraharam) - - -	173
Bellamkonda - - -	39	Gundavaram - - -	107
Betapudi - - -	174	Kasanbada (Agraharam) - - -	59
Bhatlannavaram - - -	147	Kavujuganesem - - -	184
Bhatlur - - -	115	Kussenagaram - - -	101
Bhimavaram - - -	144	Inimedigalla - - -	99
Bhrugubanda - - -	122	Jatapalli - - -	16
Bodanam - - -	11	Jalalpuram - - -	105
Bollavaram - - -	163	Jupudi and Malladi (Agraharam) - - -	80
Chamaru - - -	24	" - - -	82
Chavatipapayapalem (Agraharam) - - -	41	Kambhampad - - -	106
Chigurupad - - -	69	Kamepalli - - -	10
Chinamakkena (Agraharam) - - -	132	Kandipad - - -	33
Chintalapudi - - -	130	Kankanalapalli - - -	158
Chintapalli - - -	22	Katepudi - - -	142
Chittela - - -	13	Kasepad - - -	90
Dammalapad - - -	164	Kastala Putripad (Agraharam) - - -	77
Detsavaram (Agraharam) - - -	160	Kattamur - - -	117
Detsavarapupad - - -	189	Kogantivaripalem (Agraharam) - - -	71
Dhulipalla - - -	159	Kogantivaripalem (Agraharam) - - -	72
Didugu - - -	83	Kollur - - -	14
Dodleru - - -	30	Komerepudi - - -	150
Ellamrajapalem - - -	9	Kondur - - -	29
Erraguntalapad - - -	154	Konijerla - - -	114
Ganlur - - -	146	Konur - - -	75
Garapad - - -	100	Kopperlapad - - -	126
Garikipad (Agraharam) - - -	60	Korrapad - - -	141
Garnepudi - - -	131	Kotanevalipuri - - -	44
Ginjupalli (Agraharam) - - -	19	Kottapalli - - -	23
Gogulapad - - -	123		

Krosur - - -	No. 97	Pisapad - - -	No. 120
Kubadpuram - - -	" 42	Podapad - - -	" 134
Kuntamaddi - - -	" 18	Pondugala (Agraharam)	" 81
Lagadapad - - -	" 113	Ponnuayapalem (Agraharam)	" 38
Lakkarazgarlapad - - -	" 155	Ponukupad - - -	" 170
Lakshminarayanapalem (Agraharam)	" 65	" (Agraharam)	" 190
Lankalakurapad - - -	" 167	Pottapad (Agraharam) -	" 139
Legamudi - - -	" 180	Prattipad - - -	" 61
Lingamgunta - - -	" 133	Pulietinta - - -	" 15
Lingapuram - - -	" 89	Ramapuram - - -	" 102
Madala - - -	" 156	Razupalem - - -	" 56
Madipad (Agraharam) -	" 17	Reddigudem - - -	" 54
Makkapad - - -	" 55	Regulagadda - - -	" 175
Mandepudi - - -	" 109	Repudi - - -	" 181
Mangalageripad (Agraharam)	" 187	Rentapalla (Agraharam)	" 124
Mannesultanpalem - - -	" 7	Rokatiguntapalem - - -	" 70
Matsayapalem - - -	" 36	Rudravaram - - -	" 73
Medikondur - - -	" 188	" - - -	" 162
Merikepad - - -	" 171	Saripudi - - -	" 137
Mittapalem - - -	" 28	Sattenapalli - - -	" 148
Mogulutta - - -	" 2	Siddhipalem - - -	" 66
Munagapadu - - -	" 172	Sirangapalem - - -	" 152
Muppalla - - -	" 165	Siripuram - - -	" 136
Mussapuram - - -	" 111	Taduvayi - - -	" 21
Nagavaram - - -	" 57	Takkellapad - - -	" 63
Nandigama - - -	" 143	" - - -	" 151
Nandirazpalem - - -	" 40	Tallur - - -	" 121
Narasimhunigudem - - -	" 43	" - - -	" 153
Narasingapad (Agraharam)	" 47	Tammavaram - - -	" 91
Narinapad - - -	" 169	Tiallur - - -	" 103
Narukullapad - - -	" 86	Timmarayanipalem - - -	" 68
Nevalikallu - - -	" 108	Tondapi - - -	" 161
Nevalipuri - - -	" 45	Tripurapuram (Agraharam)	" 48
Nindujerla - - -	" 4	Tsallagarigi - - -	" 20
Nudurpad - - -	" 178	Turikepalli - - -	" 25
Orvakallu - - -	" 74	Uppalapad - - -	" 51
Pakalapad - - -	" 125	Uyyandana - - -	" 62
Paladugu - - -	" 140	Vaddavalli - - -	" 149
Panidam - - -	" 127	Varagani - - -	" 135
Papayapalem - - -	" 1	Velidevarlapadu (Agraharam)	" 168
Parasa - - -	" 104	Velpur - - -	" 67
Parupalli Gorantla (Agraharam)	" 118	Vemavaramkhandrika -	" 177
" " " " " "	" 119	Venkatayapalem - - -	" 5
Patibandla - - -	" 110	Vennandevi - - -	" 157
Pedakurapadu - - -	" 112	Vippalipalem - - -	" 179
Pedamakkena - - -	" 129	Vipparla - - -	" 95
Pedapalem - - -	" 26	Vutkur - - -	" 76
Perikapad - - -	" 32	Yemmajigudem - - -	" 8
Pirangipuram - - -	" 183	Yenikapadu - - -	" 87

## 7. Villages in Nandigam Taluk.

Adiviranulapad (Agraharam)	No. 89	Balusupad - - -	No. 69
Ailavaram - - -	" 53	Bhinavaram - - -	" 80
Alurpad (Agraharam) -	" 123	Bodavada - - -	" 48
Amaravaram - - -	" 10	" - - -	" 66
Ambarpet (Agraharam)	" 52	Bramhabhotlapalem -	" 58
Babbellapad - - -	" 19	Butsavaram - - -	" 134

Channaravupalem	-	-	No. 29	Mullapad	-	-	-	No. 98
Chavitikallu	-	-	" 1	Munnalur	-	-	-	" 3
Chillakallu	-	-	" 79	Muppatta	-	-	-	" 55
Chintalapad	-	-	" 9	Muktewarapuram	-	-	-	" 65
Chinnamodugapalli	-	-	" 128	Muchchintala	-	-	-	" 146
Chittela	-	-	" 124	Nandalur	-	-	-	" 50
Damulur	-	-	" 112	Navalipeta	-	-	-	" 97
Dechupalem	-	-	" 131	Nrusimharavpalem	-	-	-	" 27
Dobbokupalli	-	-	" 142	Pachampalli	-	-	-	" 84
Doddadevarapad	-	-	" 34	Pallagiri	-	-	-	" 104
Dotsavaram	-	-	" 39	Palampalli (Agraharam)	-	-	-	" 110
Etur	-	-	" 4	Patempad	-	-	-	" 13
Gandepalli	-	-	" 47	Patsavaram	-	-	-	" 139
Gandrayi	-	-	" 133	Peddapuram	-	-	-	" 32
Gangavalli	-	-	" 140	Pendala	-	-	-	" 22
Garikepad	-	-	" 70	Peddavaram	-	-	-	" 49
Gokirajupalli	-	-	" 42	Pedamodugucalli	-	-	-	" —
Gollamudi	-	-	" 106	Ponnavaram	-	-	-	" 45
Gopinenipalem	-	-	" 129	Ponnapalli Vasati (Agraharam)	-	-	-	" 8
Gottumukkala	-	-	" 26	Pokkunur	-	-	-	" 15
Gouravaram	-	-	" 83	Popur	-	-	-	" 6
Gudimetlapalem	-	-	" 18	Ramapuram	-	-	-	" 109
Gummadidurru	-	-	" 118	Ramachandranipeta	-	-	-	" 72
Gundupoyanepalem	-	-	" 85	Ravukampad	-	-	-	" 75
Hasanbada	-	-	" 125	Ravirela	-	-	-	" 62
Iudugapalli	-	-	" 136	Rebbavaram	-	-	-	" 121
Irllapad	-	-	" 36	Rudravaram	-	-	-	" 107
Jaganadhapuram	-	-	" 44	Saidapuram	-	-	-	" 23
Jammavaram	-	-	" 43	Sanagapad	-	-	-	" 102
Jonnalagadda	-	-	" 117	Satyavaram	-	-	-	" 105
Joyantipuram	-	-	" 63	Sherumahammadpeta	-	-	-	" 74
Kakaravoyi	-	-	" 147	Sittampundi	-	-	-	" —
Kambhambad	-	-	" 144	Somavaram	-	-	-	" 111
Kanchala	-	-	" 21	Subbayagudem	-	-	-	" 99
Kanchakacharla	-	-	" 25	Tadigummi (Agraharam)	-	-	-	" 49
Kannevidu	-	-	" 127	Takkellapad	-	-	-	" 71
Katremipalli	-	-	" 60	Tallur	-	-	-	" 145
Kanutanari	-	-	" 64	Timmapuram	-	-	-	" 30
Kisara	-	-	" 24	Torrugudipad	-	-	-	" 114
Konijerla	-	-	" 151	Torruguntapalem	-	-	-	" 77
Kollikulla	-	-	" 100	Totaravulapad	-	-	-	" 12
Konatamatkur	-	-	" 113	Totacherla	-	-	-	" 96
Konatalapalli	-	-	" 108	Trepuravaram Cultivation	-	-	-	" 67
Konakanchi	-	-	" 86	Tsandapuram	-	-	-	" 91
Kondur	-	-	" 115	Tsantapalli	-	-	-	" 37
Kurugantivarikhandrika	-	-	" 93	Tsattannavaram	-	-	-	" 38
Kumikini pad	-	-	" 2	Turlapad	-	-	-	" 20
Lakshnipuram	-	-	" 40	Vatsavayi	-	-	-	" 143
Langollu	-	-	" 130	Vedadri	-	-	-	" 61
Lingagudem	-	-	" 81	Veladi	-	-	-	" 7
Maggallu	-	-	" 103	Vemulavaram	-	-	-	" 148
Makkapeta	-	-	" 126	Vemulapalli	-	-	-	" 11
Malekapuram	-	-	" 137	Venkatapuram	-	-	-	" 101
Mamali	-	-	" 150	Vellanki	-	-	-	" 41
Managacherla	-	-	" 95	Vibharitapad	-	-	-	" 5
Medipalem (Agraharam)	-	-	" 56	Viradhadrupaliem	-	-	-	" 132
Molugumadu	-	-	" 152	Vummadidenarapalli	-	-	-	" 149

8. *Villages in Palnad Taluk.*

Adigoppula	-	-	No. 75	Mattsvaram	-	-	No. 21
Akarazpalli	-	-	" 15	Matukumelli	-	-	" 41
Alugumallepad (Agraharam)	-	-	" 52	Miriyala	-	-	" 47
Alugurazpalli (3 parts)	-	-	" 37	Mittagudepad	-	-	" 29
Amanijammulamadak	-	-	" 40	Muttiyalammamad	-	-	" 23
Atmakur	-	-	" 83	"	-	-	" 81
Bodanampad	-	-	" 35	Mutukur (2 parts)	-	-	" 85
Budavada	-	-	" 51	Nagalavaram	-	-	" 36
Chennayapalem (Agraharam)	-	-	" 13	Narmalapadu	-	-	" 74
China (Agraharam)	-	-	" 66	Nidhunampad (Agraharam)	-	-	" 76
Chinagarlapad	-	-	" 60	Pallegunta	-	-	" 49
Chinakodamagulla	-	-	" 58	Paluvaya	-	-	" 42
Chintapalli	-	-	" 59	Passarlapad	-	-	" 31
Daida (2 parts)	-	-	" 4	Pasvvemula (2 parts)	-	-	" 34
Darvemula	-	-	" 80	Patlavid	-	-	" 87
Dharmavaram	-	-	" 78	Peda (Agraharam)	-	-	" 65
Duggi	-	-	" 79	Pedagarlapad	-	-	" 61
Gamalapad	-	-	" 7	Pedakodamagulla	-	-	" 57
Gangavaram	-	-	" 27	Pidugurala (2 parts)	-	-	" 19
Gangulagunta	-	-	" 91	Petasaningalla	-	-	" 70
Gogulapad	-	-	" 50	Pillutla	-	-	" 17
Goli	-	-	" 1	Pinnavi (2 parts)	-	-	" 22
Gottemukkala (2 parts)	-	-	" 2	Polipalli	-	-	" 86
Gottipalla	-	-	" 92	Pulipad	-	-	" 26
Gullapad	-	-	" 95	Ramapuram	-	-	" 6
Guttikonda	-	-	" 68	Rentala	-	-	" 45
Inaparazpalli	-	-	" 55	Rentuehintala	-	-	" 30
Janapad	-	-	" 67	Senkarapuram Sideheya	-	-	" 56
Julakallu	-	-	" 69	Strirukminipuram (Agraharam)	-	-	" 16
Khambampad	-	-	" 43	Tadutla	-	-	" 14
Kamipalli	-	-	" 63	Takkellapadu	-	-	" 54
Karempudi	-	-	" 71	Tallapalli	-	-	" 33
Karlapad	-	-	" 64	Telugutla	-	-	" 3
Kesanupalli	-	-	" 53	Tsarlagudipad	-	-	" 48
Kolagotla (3 parts)	-	-	" 84	Tummalacheruvu	-	-	" 62
Konanki	-	-	" 18	Tumrukota (2 parts)	-	-	" 32
Kottapalli	-	-	" 38	Veludurti	-	-	" 89
Madinapad	-	-	" 10	Vemavaram	-	-	" 12
Madugala (2 parts)	-	-	" 46	Viralakshmipuram (Agraharam)	-	-	" 72
Mallavol	-	-	" 20	Vobalesunipalli	-	-	" 77
Manchikallu	-	-	" 44	Vuppalapad	-	-	" 88
Mandadi	-	-	" 97				

9. *Villages in Rajapet Taluk.*

Alavala (Agraharam)	-	-	No. 85	Chinapasumarru (Agraharam)	-	-	No. 70
Anantavaram	-	-	" 65	Chirumamella	-	-	" 26
Annavaram	-	-	" 82	Dandamudi	-	-	" 58
Annavarapadu (Agraharam)	-	-	" 89	Dasaripalem	-	-	" 42
Appapuram	-	-	" 53	Degaramudi	-	-	" 114
Arepalli (Agraharam)	-	-	" 41	Dondapadu (Agraharam)	-	-	" 7
Ballikurava	-	-	" 108	Dronidula	-	-	" 124
Boppudi	-	-	" 69	Ganapavaram	-	-	" 56
Chagallu	-	-	" 4	Gannavaram	-	-	" 126
Challagunlla	-	-	" 2	Gogulapad	-	-	" 84
Chandavaram	-	-	" 9	Gopapuram (Agraharam)	-	-	" 87
Chejerla	-	-	" 40	Gorripadu (2 parts)	-	-	" 99

Gottepadu - - -	No. 60	Narsaranpeta - - -	No. 34
Govindapuram - - -	51	Nekarikallu - - -	1
Guntagarlapadu (Agraharam) - - -	35	Nujellapalli (Agraharam) - - -	29
Guntapalli - - -	107	Palapadu - - -	46
Gurijepalli (Agraharam) - - -	75	Pamidipadu (Agraharam) - - -	5
Ikkurru - - -	47	Paragatcherla - - -	44
Jaggapuram - - -	21	Pasumarru (2 parts) - - -	59
Jaladi - - -	20	Petluruvripalem (Agraharam) - - -	77
Jonnatavi (Agraharam) - - -	120	Poluru - - -	63
Kakani (2 parts) - - -	78	Potavarapadu (Agraharam) - - -	32
Kamepalli - - -	88	Potavaram - - -	72
Kanaparru - - -	30	Punur - - -	127
Kankipatlavaripalem - - -	22	Purushottapattam - - -	71
Kantetivarikhandrika (Agraharam) - - -	61	Rajapeta - - -	73
Karuchola - - -	19	Ravipad - - -	36
Kavur - - -	54	Rompicherla (2 parts) - - -	83
Kesanapalli - - -	31	Rupenaguntla (2 parts) - - -	37
Kolalapudi - - -	123	Sankuratripad - - -	11
Konanki - - -	121	Santagudipadu - - -	43
Kondakavur - - -	76	Santamagulur (2 parts) - - -	91
Kondavidu (2 parts) - - -	13	Satuluru - - -	8
Konidena (2 parts) - - -	110	Solasa - - -	12
Kopparam (2 parts) - - -	94	Suravarapalli - - -	66
Kopperapadu Kommalapadu		Tangedapalli (2 parts) - - -	92
Chennupalli and Senkaralin-		Tatapudi (Agraharam) - - -	67
gamgudipadu (Agraharam) - - -	95	Timmapuram - - -	24
" " - - -	103	Tubada - - -	27
" " - - -	105	Turumella - - -	90
" " - - -	106	Uppumagulur (2 parts) - - -	112
Kopperapadu - - -	101	Vaidana - - -	102
Kukutlapalli - - -	98	Vankayalapadu - - -	15
Kunkalagunta (2 parts) - - -	39	Vellalacheruvu - - -	86
Lakkavaram (Agraharam) - - -	122	Vemavaram (Agraharam) - - -	113
Lingamguntla (Agraharam) - - -	48	Vinjanampadu - - -	62
Lingamguntla - - -	55	Vipparlapalli (Agraharam) - - -	80
Maidavolu - - -	25	Viswanadhuni Khandrika (Agraharam) - - -	16
Manikondavaripalem - - -	57	Vuppalapad - - -	49
Mukteswaram (2 parts) - - -	104	Yedavalli - - -	74
Mulakalur - - -	6	Yeddnepudi - - -	64
Munumaka - - -	81	Yeddlapad - - -	18
Murikipudi (2 parts) - - -	68	Yelchuru (2 parts) - - -	95
Muttanapalli (Agraharam) - - -	79	Yellamanda (3 parts) - - -	50
Nadella (3 parts) - - -	28	Yeluru - - -	23
Nagarajupalli - - -	118	Yirlapad - - -	52
Nallagarlapadu (Agraharam) - - -	45	Zonnalagadda - - -	33

## 10. Villages in Repalli Taluk.

Abbanagudavalli (Agraharam) - No.	59	Angalakuduru - - -	No. 30
Adavaladivi - - -	140	Aravapalli - - -	146
Alapad (Agraharam) - - -	84	Arumbaka - - -	107
Allaparru (2 parts) - - -	143	Attoda - - -	21
Allaparru Key (2 parts) - - -	144	Balijepalli (Agraharam) - - -	58
Allur - - -	135	Balusulapalem - - -	122
Amartalur - - -	76	Bhattiprolu - - -	70
Amudalapalli (2 parts) - - -	138	Boddulurupad (Agraharam) - - -	51
" Key Map - - -	—	Bommavaripalem - - -	25
Anandavaram - - -	47	Burripalem - - -	27

Chadalavadi (2 parts)	-	No. 41	Oleru	-	-	No. 67
Chavali	-	57	Pallapatta	-	-	126
Chemudupad	-	42	Pallikona	-	-	102
Chiluvur	-	1	Pamidinurru	-	-	103
Chinapalem	-	7	Panchalavaram	-	-	75
Chinaparimi (Agraharam)	-	33	Parisapad (Agraharam)	-	-	96
Chinaravur	-	37	Peaparru (Agraharam)	-	-	110
Chitumur	-	46	Pedagadelavarru	-	-	79
Chodayapalem	-	153	Pedalanka	-	-	66
Davulur	-	43	Pedakondur	-	-	6
Dantalur (Agraharam)	-	11	Pedamatlapudi (2 parts)	-	-	129
Dendi	-	139	Pedapalli	-	-	136
Devarapalli (Agraharam)	-	16	"	-	-	77
Dhulipudi	-	104	Peddaranuru	-	-	36
Donepudi	-	63	Peddavaram (Agraharam)	-	-	93
Duggirala	-	13	Penumurru	-	-	60
Godavarru (Agraharam)	-	8	Penumudi	-	-	99
Gorigepudi	-	68	Peravali	-	-	56
Govada (2 parts)	-	89	Pesaralanka	-	-	65
Gudavalli	-	74	Peturu	-	-	98
Gudivada	-	17	Phattiprolu	-	-	70
Idupalli	-	127	Pidaparru	-	-	24
Inani	-	12	Pittalavanipalem	-	-	131
Ipur	-	48	Ponnapalli (Agraharam)	-	-	106
Jadavalli (Agraharam)	-	119	Porakalapudi	-	-	4
Kauagala	-	73	Potumarra (Agraharam)	-	-	54
Karnmur	-	97	Potumeraka Key Map	-	-	152
Kasukurru	-	114	Pragnam	-	-	141
Kanur	-	108	Pudivada	-	-	123
Kaditadiparru (Agraharam)	-	85	Pulichantalapalem (Agraharam)	-	-	35
Kolakalur	-	14	Rajavolu	-	-	91
Kollipara	-	26	Rambhottapalem	-	-	108
Kollur	-	50	Rayakampadu	-	-	51
Komali (2 parts)	-	117	Singupalem	-	-	151
Konetipuram	-	95	Siripuram (Agraharam)	-	-	22
Kothevaram	-	29	Sinangalapalem	-	-	72
Kuchellapad	-	40	Srungarapuram (Agraharam)	-	-	5
Kuchenapudi	-	142	Surepalli	-	-	94
Kuchipudi	-	34	Tottapalli	-	-	92
Kunchavaram (Agraharam)	-	20	Tsandavada	-	-	120
Modukur	-	83	Tsivvalur	-	-	23
Moparru	-	86	Tummapudi	-	-	2
Morampudi	-	3	Tummalur	-	-	44
Mulpul	-	55	Turumella	-	-	87
Mulukuduru (2 parts)	-	116	Vaddamukkula (Agraharam)	-	-	118
Munugotipuram	-	10	Vallabhapuram	-	-	9
Muttupalli (Agraharam)	-	127	Varahapuram (Agraharam)	-	-	39
Nadimpalli	-	90	Vellatur	-	-	64
Nagaram	-	124	Vetapalem	-	-	81
Nallur	-	147	Visveswaram	-	-	150
Nandivelugu	-	18	Voliveru	-	-	80
Nidubrolu	-	113	Yadbapalli	-	-	31
Nizampatam (2 parts)	-	137	Yeletipalem	-	-	125
" Key Map	-	-				

11. *Villages in Vinukonda Taluk.*

Ainavolu (2 parts)	-	No. 55	Agnigundala	-	-	No. 18
Andugulapadu	-	68	Bokkamuntalapadu	-	-	76
Angaluru (Agraharam)	-	9	Bollapalli	-	-	23

Bommarazapalli (Agraharam) - No.	2	Nilangangavaram - - No.	69
Bramhanapalli (2 parts) - "	32	Nujella (2 parts) - - "	58
Chithapuram - - - "	6	Pamidipadu (2 parts) - - "	62
Dasullapalli (Agraharam) - "	21	Pedakancherla (2 parts) - - "	34
Dondapadu - - - "	27	Peddavaram (Agraharam) - - "	54
Enugapalem (2 parts) - - "	38	Perumallapalli (Agraharam) - - "	45
Gandiganamala - - - "	75	Perurupadu - - - "	25
Garikepadu - - - "	79	Pothuru - - - "	11
Gokanakonda - - - "	41	Putsanutula (3 parts) - - "	61
Gummadampadu (3 parts) - - "	78	Puvvada - - - "	42
Gummadampadu (Agraharam) - - "	78	Ravulapuram - - - "	74
Gundapalli (Agraharam) - - "	10	Remidicherla - - - "	77
Gutlapalli - - - "	73	Sanampudi - - - "	13
Inumetla - - - "	1	Sirikondapalem (Agraharam) - - "	20
Ipuru (2 parts) - - - "	3	Sivapuram (Agraharam) - - "	52
Khambhampadu - - - "	56	Surepalii (Agraharam) - - "	51
Kanamalacheruvu - - - "	72	Talarlapalli - - - "	57
Kanamarlapudi - - - "	14	Tana Annavaram (Agraharam) - - "	50
Karumanchi (2 parts) - - - "	36	Tangirela (Agraharam) - - "	67
Kondayapalem - - - "	7	Tellabadu (Agraharam) - - "	49
Kondramutla (2 parts) - - - "	16	Timmapuram (Agraharam) - - "	60
Kondrupolu (Agraharam) - - - "	44	Timmayapalem (3 parts) - - "	28
Koppukonda - - - "	71	Tripurapuram - - - "	47
Kotcherla - - - "	17	Vadhemgunta - - - "	22
Kottalur - - - "	15	Vanikonta (Agraharam) - - "	8
Madamanchipadu (Agraharam) - - "	46	Velpur - - - "	12
Mellavagu - - - "	80	Venkupalem (Agraharam) - - "	31
Mukkellapadu (2 parts) - - - "	63	Vetrayani Appapuram (Agraharam) - - "	59
Mulakoluru - - - "	43	Vinukonda (3 parts) - - - "	30
Muppalla (2 parts) - - - "	5	Vittamrazpalle (Agraharam) - - "	33
Murtujapuram - - - "	65	Vuppalapad - - - "	48
Nayanipalem (Agraharam) - - - "	53		

\* \* Nos. 4, 24, 26, 37, 39, 40, 64, 66, 70 are wanting in this list of Vinukonda villages.

## 8. KARNUL DISTRICT.

Including eight taluks. The Revenue Survey is far advanced, but only the following are yet issued.

### *I. District Map.*

Map of the KURNOOL DISTRICT, showing the new boundaries of taluks. From information received from the Revenue Authorities. Revenue Survey Office, Chepauk, 1868. *Scale, 2 miles to 1 inch; size, 53 inches by 80.*

### *II. Village Maps in Remlakola Taluk.*

MUNGALAPAD. 2nd Part. 1864. *Scale, 16 inches to 1 mile; size, 26 inches by 31.*

## 9. MADRAS DISTRICT.

Including nine divisions. See also Chingalpat District, pages 321 to 325.

### *The City of Madras.*

LIMITS of MADRAS as fixed on the 2nd November 1798, by the Right Honourable the Governor in Council, when the Court of the Recorder was (7767.)



established. Signed P. Ross, Chief Engineer, M. G. The Boundary surveyed by Lieut. W. Castle, of Engineers. *Scale, 800 feet to 1 inch ; size, 35 inches by 58.* MS.

The same. *On the scale of 900 feet to 1 inch ; size, 36 inches by 58.* MS.

A Survey of ST. THOMÉ or MILAPOUR. By Lieuts. Bayley and Charasse. December 1805. *Scale, 400 feet to 1 inch ; size, 22 inches by 18.* MS.

Topographical Survey of MADRAS and its ENVIRONS, by the Officers of the Senior Class of the Military Institution. Lieuts. J. J. O'Donnoghue, H. Walpole, M. I. Harris, J. Garling, W. Biss, J. D. Burnett, A. Tulloch, W. Chavasse, J. Swinton, J. C. Raester, J. Dalgairns, J. Bayley. During the months of February, March, and April 1806. *Scale, 2 inches to 1 mile ; size, 78 inches by 49.* MS.

Plan and Elevation of the BULWARK at MADRAS extending from Clive's Redoubt to the Saluting Battery, at the S. E. angle of the glacis of Fort St. George. Executed under the order of Government. A.D. 1820-21. Major Havilland, Acting Engineer. *Scale, 26 feet to 1 inch ; size, 2½ feet by 34.* MS.

Plan of the TOWN of MADRAS and its limits, as surveyed in 1822, for the use of the Justices in Sessions, by W. Ravenshaw, Captain, Civil Engineer. *Scale, 6 inches to 1 mile ; on 3 sheets ; size, 40 inches by 61.*

A New and Improved Plan of MADRAS and its Suburbs, executed in the years 1837, '38, and '39 for the use of the Justices in Sessions, is respectfully inscribed to the Right Honourable John Lord Elphinstone, G. C. H., Governor of Fort St. George and its Dependencieis, by his Lordship's most obedient and humble servant, Thomas Hill, Surveyor. This plan contains all the additions and improvements up to the end of the year 1842, comprising an area of 26·4966 square miles. *Scale, 6 inches to 1 mile ; size, 64 inches by 39.* Two copies, mounted to fold ; one in a case.

### *Madras Drainage.*

Plan of the TOWN of MADRAS (Coloured in drainage areas), with Levels and Sewer Plans. *On 3 sheets ; size of each, 27 inches by 34.*

\* \* To accompany Capt. Boulderson's Report, 1848. MS.

Plan of MADRAS. *Scale, 4½ inches to 1 mile.* Showing the distribution of Pipes, Sewers, &c., and Heights above the Mean Sea Level. Signed Lieut. P. O'Connell, Adjutant of Engineers, and S. Ottmann, Sub-Assist. Surveyor. No date. *Size, 25 inches by 45.*

Plan of MADRAS and its SUBURBS embracing an area of twenty-seven square miles, and containing all additions and improvements to the end of the year 1869. In this plan, which has been carefully corrected, the Limits of the High Court and the Municipal Division ; the names of Streets, Roads, and Lanes, and the proposed line of the Water Delivery Channel, with the Fountains and Strand pipes, are clearly exhibited. Compiled by J. W. Jackson. *Scale, 6 inches to 1 mile ; size, 65 inches by 41.* Folded.

Plan and Section of the MAIN SEWER from the End of the ESPLANADE opposite HUMPHERSON'S STREET, to the Mouth of the Tunnel at the N. E. Angle of Fort St. George, measuring in length 2,552½ ft.,

showing the proposed reform and improvements thereof; prepared agreeably to the orders of the Military Board, dated 20th May 1845. *Scales, various; size, 30 inches by 49.* MS.

Plans, &c. of the DRAINAGE of BLACK TOWN. Prepared to accompany Captain H. Boulderson's Report, 25th August 1848. In 3 sheets, marked Nos. 1, 2, 3. MSS.

No. 1. Plan of the Town of Madras. *Scale, 450 feet to 1 inch; size, 24 inches by 30.*

No. 2. Level Sections taken along various streets, &c. *Size, 26 inches by 32.*

No. 3. Plan and Sections of the New Tunnel, Main Sewer, &c. *Size, 26 inches by 33.*

### *Fort St. George, Madras.*

Plan of the interior of FORT ST. GEORGE. Numbered agreeably to the Annual Report on the Public Buildings up to the 31st August 1850. By A. Law, Lieut.-Col. Chief Engineer. *Scale, 50 feet to 1 inch; size, 30 inches by 45.* MS.

Two Plans and a Memorandum of the History and Alterations of FORT ST. GEORGE: 1. A plan of Fort St. George, 1747; 2. Part of the Black Town, Madras, and the adjacent ground to the South and West, with the French attack. From December 12, 1758 to February 17, 1759. By Captain Rawlins, Garrison Engineer, 1857. Fcap. folio, 31 pages, stiff cover.

Plan, Elevation, and Sections of a PENITENTIARY proposed to be erected at MADRAS. Chief Engineer's Office, Fort St. George. No date. *Scale, 16 feet to 1 inch; size, 29 inches by 42.* Mounted to fold. MS.

Iron Gates and Railings for GOVERNMENT HOUSE, MADRAS. Referred to in a letter to the Secretary of State, dated 5th June 1860.

### *Cantonments and Barracks around Madras.*

MADRAS CANTONMENTS and BARRACKS, &c.:—

1. Indian Atlas, sheets 78, with the barracks at St. Thomas's Mount, Palaveram, and Poonamallee, and the military roads from Madras, coloured.
2. Plan of the Cantonment of St. Thomas's Mount. 1868. *Scale, 6 inches to 1 mile.*
3. Plan of the Cantonment of Palaveram, coloured up to July 1866. *Scale, 6 inches to 1 mile.*
4. Plan of the Cantonment of Poonamallee. December 1868. *Scale, 6 inches to 1 mile.*
5. Block Plans of the buildings in the Horse Artillery Lines at St. Thomas's Mount. 1866.
6. Ditto ditto. 1869.
7. Block Plan of North Barracks at St. Thomas's Mount. 1869.
8. Block Plan of South Barracks at St. Thomas's Mount. 1869.
9. Military buildings at St. Thomas's Mount, sheet 1.
10. Ditto ditto sheet 2.
11. Ditto Palaveram sheet 3.
12. Ditto Poonamallee sheet 4.
13. Ditto ditto sheet 5.

## MADRAS TOWN MAPS, REVENUE SURVEY, 1854 to 1862.

*Scale, 100 feet to 1 inch.*

1. BLACK TOWN DIVISION. Surveyed by M. G. Plumbe, 1860, '61, '62. Lithographed at the Revenue Survey Press, 1869. J. Priestley, Colonel, Supt. Rev. Survey. In 14 sections. *Scale, 100 feet to 1 inch.*
2. TONDIARPET DIVISION. Surveyed by J. P. Cooke, 1861, '62. Lithographed at the Revenue Survey Press, 1870. In 22 sections.
3. PERAMBOOR DIVISION. Surveyed by J. P. Cooke, 1861. Lithographed in 1865. In 14 sections.
4. PURSERAUKUM and VEPERY DIVISION. Surveyed by W. H. Walker, in 1858-59. Lithographed in 1865. In 16 sections.
5. EGMORE (Elemboor) DIVISION. Surveyed by W. H. Walker and J. P. Cooke, 1857. Lithographed in 1865. In 14 sections.
6. TRIPLICANE DIVISION. Surveyed by M. G. Plumbe, in 1857-58. Lithographed in 1866. In 12 sections.

*Scale, 400 feet to 1 inch.*

MYLAPOOR DIVISION. Plan of the Mylapoor Division, as surveyed during the years 1854 and 1855 by Rev. Surveyor, W. H. Walker. *Size, 30 inches by 50.*

NOONGUMBAUKUM DIVISION. Plan of the Noongumbaukum Division as surveyed in the year 1856, by Rev. Surveyor, W. H. Walker. *Size, 21 inches by 40.*

MADRAS MUNICIPAL SURVEY, Colonel Priestley, Superintendent. Lithographed in colours by Alex. Barren, Revenue Survey Office, Chempauk, 1871. Mounted to fold. \* See page 315.

2nd Division (Black Town, East), Sections 1 to 6, on 5 sheets. *Scale, 100 feet to 1 inch.*

3rd Division (Black Town, West), Sections 1 to 4, on 4 sheets. *Scale, 100 feet to 1 inch.*

4th Division (Peramboor, Vyasumpandy), Sections 1 to 6, on 6 sheets. *Scale, 200 feet to 1 inch.*

5th Division (Pursevaukum, Egmore, or Elemboor, Vepery), Sections 1 to 4, on 4 sheets. *Scale, 200 feet to 1 inch.*

6th Division (Poodoopaukum, Noongumbaukum, Cheytpett, Kilpauk), Sections 1 and 2, on 2 sheets. *Scale, 400 feet to 1 inch.*

8th Division (St. Thomé or Mylapoor, Kistnampett, Royapett, Teynampett), Sections 1 and 2, on 2 sheets. *Scale, 400 feet to 1 inch.*

Map of the Town of MADRAS and the Surrounding Country, comprising Sydapet Taluk. Reduced from the Maps of the Revenue Survey executed in 1867 and 1868. Chempauk, 1870. *Scale, 2 inches to 1 mile; on 4 sheets; size, 64 inches by 52.*

## 10. MADURA DISTRICT.\*

Including six Taluks. The New Revenue Survey has not been commenced.

Map of the MANAPARRA POLLAMS as surveyed by J. Allan, T. Turnbull, A. Johnson, and W. Fletcher, of the Madras Observatory, in the years 1803 and 1804. *Scale, 1 mile to 1 inch; size, 58 inches by 49.* MS.

Map of the PROVINCE of DINDIGUL, as surveyed in the years 1815 and 1816, by T. Turnbull, W. Keyes, J. Aikin, C. Perara, W. Bird, C. McMahon, and A. Chamaratt, Assistant Surveyors. *Scale, 1 mile to 1 inch; size, 82 inches by 90.* MS.

Map of the PROVINCE (Collectorate) of DINDIGUL from the Survey executed in 1815. Colin Mackenzie, Surveyor-General of India. *Scale, 4 miles to 1 inch; size, 25 inches by 26.* MS.

Plan of the TALOOKS of MADACOLUM, TRIMUNGALUM, MELLOOR, and MURUNGAPPOOR, of the Province of Madura. Surveyed in the years 1830, '31, '32, under the superintendence of Capt. B. S. Ward, Surveyor-General's Department. *Scale, 2 miles to 1 inch; in 2 parts; size, 58 inches by 38.* MS.

Map of the DINDIGUL DISTRICT. Compiled in the Office of Surveyor-General of India, from the original Surveys executed in 1821 on 1 mile to an inch. March 1836. *Scale, 4 miles to 1 inch; size, 30 inches by 22.* MS.

Geographical and Statistic Memoir of the PROVINCE or COLLECTORSHIP of DINDIGUL. Surveyed in 1815-16, by Thomas Turnbull, William Keyes, and other Assistant Native Surveyors under the instructions and direction of the Surveyor-General's Office at Fort St. George. Signed Colin Mackenzie, Surv.-Gen. of India. Calcutta, December 17, 1817. In 2 vols., folio, half bound. MSS.

Statistic and Geographical Memoir. MARAWAR or RAMNAD, the ISLE of RAMISERAM, and TONDIMAN'S COUNTRY. Surveyed in 1814, under the direction of the Surveyor-General's Office, Fort St. George, July 1817. Signed Colin Mackenzie, Surv.-Gen., India. Folio, half bound. MSS.

The MADURA COUNTRY (DISTRICT). A Manual compiled by order of the Madras Government, by J. H. Nelson, M.A., of the Madras Civil Service and late Fellow of King's College, Cambridge. In Five Parts. Madras, 1868. In one thick volume. 8vo. cloth.

## 11. MALABAR DISTRICT.

Reports of a Joint Commission from BENGAL and BOMBAY appointed to inspect into the state and condition of the PROVINCE of MALABAR, in the years 1792 and 1793. Madras, 1862. Royal 8vo., cloth.

A Survey of the TEAK FORESTS in the District of Palghaut. Samuel Goodfellow, Capt. Lieut., Engrs. Received June 1809. *Scale, 1½ miles to 1 inch; size, 23 inches by 27.* MS.

"The forests and means of transporting therefrom being the sole objects in the Survey, no attention has been paid to the interjacent cultivated country."

\* See General Maps of the Southern District, page 319.

Map of the PROVINCE of MALABAR. That portion of Malabar south of the Ponany River was surveyed under the superintendence of Lieuts. P. Conner and B. S. Ward in connection with the Survey of the Travancore and Cochin States. The country north of the Ponany was surveyed under the superintendence of Captain B. S. Ward during the years 1825, '26, '27, '28, and '29. Deputy Surveyor-General's Office, Madras, 15th December 1832. *Scale, 2 miles to 1 inch ; in 3 parts ; size, 84 inches by 64.* MSS.

\* \* With a list of the names of Cusbals and principal Villages in Malabar, showing the difference in the orthography between the Revenue Board and the Survey.

Another copy in 9 sheets. MSS.

Plan of the Survey of the PROVINCE of MALABAR North of the Ponany River, executed during the years 1825, '26, '27, '28, and '29 under the superintendence of Capt. B. S. Ward. *Scale, 1 mile to 1 inch.*

\* \* Field copy of No. 4 only, including the southern part from the Ponany River northward to Beypoor and Wullianad. *Size, 37 inches by 78.* MS.

MALABAR SURVEY. General Description of the Province, articles of export and import in 1828-29. Boundaries. Description of the Talooks. By Captain B. S. Ward, Surveyor in Malabar. In 1 vol., folio, half bound. MS.

MALABAR SURVEY. Calculation of Triangles, Stations, &c. 25 pages, folio. MS.

A KANESHUMAURY or STATISTICAL TABLE of the PROVINCE of MALABAR. 20 pages, folio. MS.

Map of Land reserved for TEAK PLANTATION in the NILAMBUR VALLEY, MALABAR DISTRICT. 1873. *Scale, 1 mile to 1 inch ; size, 24 inches by 40.*

CANNANORE and CALICUT BARRACKS:—

1. Indian Atlas, sheet 44, with the military roads from Cannanore, coloured.
2. Plan of the Cantonments of Cannanore.
3. Fort of Cannanore, on 2 sheets.
4. Artillery Barracks, on 4 sheets.
5. European Barracks, on 2 sheets.
6. European Hospital, on 1 sheet.
7. Revised Plan of Calicut and West Hill.
8. Key Plan of West Hill Barracks, Calicut.
9. Survey of West Hill Barracks, Calicut, on 4 sheets.

MALLIAPOORAM CANTONMENT. See Nilgiri District.

### *Malabar Roads.*

Sketch of the ROAD from Mambat to the Foot of the Carcur Ghat Trace. Sub-Engineer's Office, Malliaporam, Malabar, 11th October 1862. *Scale, 800 feet to 1 inch ; size, 8½ feet by 1½ feet.* On tracing cloth. MS.

Plan of BRIDGES and TUNNELS for the Road from Mambat to the foot of Careoor Ghat. 1862. *Size, 28 inches by 40.* On tracing cloth. MS.

\* \* With a supplement, tracing the road from the Ghat to Goodaloor.

A General Map of the ROADS in MALABAR, and their extensions into Mysore, the Neilgherry Mountains, and Coimbatore. 1861. No title. *Size, 25 inches by 31.* MS.

## MADRAS REVENUE SURVEY OF MALABAR.

### I.—*District Map.*

Map of the PROVINCE (or District) of MALABAR, showing the New Boundaries of Taluqs. Lithographed at Chepauk, 1864. *Scale, 2 miles to 1 inch ; on 9 sheets ; size of each, 31 inches by 23.*

### II.—*Taluk Maps in Malabar District.*

Map of WYNAAD. Surveyed under the Superintendence of Capt. B. S. Ward; during the years 1825, '26, '27, '28, and 29. Lithographed at Madras, Revenue Survey Press, 1860. *Scale, 2 miles to 1 inch ; size, 25 inches by 35.*

### III.—*Estate Maps in Wainad Taluk, on a scale of 16 inches to a mile.*

1. Adelaide.	26. Field.	52. Perseverencee.
2. Advakunu.	27. Glenlee.	53. Pew Tirunelly.
3. Alatur.	28. Glenrock.	54. Periaehola.
4. Annette.	29. Guynd.	55. Pookote.
5. Aramalla.	30. Hamslade.	56. Pulikad.
6. Askern.	31. Helen.	57. Rassallas.
7. Bleak house.	32. Hope.	58. Rieheliu.
8. Bon Espoir.	33. Huntley.	59. Riehville.
9. Bramagherry.	34. Jane.	60. Sandy Hill.
10. Busby Park.	35. Kallaid.	61. Strathern.
11. Caliotechola.	36. Kalpetta.	62. Talapoya.
12. Canote.	37. Kanotemotankunu.	63. Teddington.
13. Caroline.	38. Kanotemulla.	64. Tettamalla.
14. Chambra.	39. Kattupaniehola.	65. Tindamel.
15. Chambrani.	40. Katikolum.	66. Umbellamulla.
16. Charlotte.	41. Kurehamalla.	67. Upper Harewood.
17. Charlotte.	42. Langeliffe.	68. Urkarakunu.
18. Chemballa Mallay or Goodaloor Estate.	43. Lekadi.	69. Vellarikunu.
19. Collissie.	44. Lower Harewood.	70. Vitri.
20. Coonambutty.	45. Mary.	71. Wallace.
21. Coondoor.	46. Mary Bagherry.	72. Walthamstone.
22. Cullur.	47. Mowbray.	73. Wainad.
23. Drumcree.	48. Mundamulla.	74. Wayacoon.
24. Emily.	49. Needlerock (2 parts).	75. Woodlands.
25. Faith.	50. Pandurang.	76. Yella Malla (2 parts).
	51. Perindametal (2 parts).	

The Estates, Amshams, and Desams of Wynaad are not distinguished on this map. They can only be found on the "Map of the Neilgherries, Koondahs, and Wynaad," by C. R. Markham, page 362.

1. The Estates numbered 1, 6, 13, 15, 24, 36, and 75 are in *Kalpetta* (Culpetta, Culpetty) *Desam* and *Edanarsur* (Edenursur, Edanadassur, Eddanursoor) *Amsham*.
2. The Estates numbered 8, 65, and 73 are in *Tindamel* (Dindamel, Dindimul) *Desam* and *Edavaga* (Edavaka, Eddavaga, Yeddavugah) *Amsham*.
3. The Estate numbered 39 is in *Aratutara* (Arataterra) *Desam* and *Ellurnad* (Nallurnad, Nalurnad, Nullonaád, Ellonaád) *Amsham*.

4. The Estates numbered 3, 19, 27, 33, 50, 58, and 59 are in *Teruchelery* (Trichelary, Trihellary) *Desam* and *Ellurnad Amsham*.
5. The Estates numbered 9, 21, 23, 40, 42, 46, 53, 57, 69 are in *Terunelly* (Tiruncelly, Terenully, Tirenully) *Desam*, and *Ellurnad Amsham*.
6. The Estates numbered 2, 7, 10, 12, 11, 38, 63, 68, 74 are in *Vemote Desam* and *Ellurnad Amsham*.
7. The Estate numbered 37 is in *Oyakoi Desam* and *Ellurnad Amsham*.
8. The Estate numbered 56 is in *Pulikad Desam* and *Ellurnad Amsham*.
9. The Estates numbered 28 and 61 are in *Nellialum* (Nellialam) *Desam* and *Munanad* (Munad, Mumnad) *Amsham*.
10. The Estates numbered 18, 29, 31, 35, 54, 60, 66, 76 are in *Gudalur* (Godalur, Udalur, Gadalur, Goordaloor) *Desam* and *Nambalakhat* (Nambolakat, Nambolakode, Nambolokoda, Numbolycode, Numbolycotta) *Amsham*.
11. The estates numbered 30, 44, 49, 52, 67 are in *Devalu* (Devala) *Desam* and *Nambalakhat Amsham*.
12. The Estate numbered 45 is in *Kunlum Desam* and *Tondornad* (Thöndernad, Tendernadterra, Tondurnad, Tondonaád) *Amsham*.
13. The Estates numbered 4, 5, 20, 22, 43, 47, 48, 51, 70, 71 are in *Kunnatta Edavaga* (Kunath Edavaga, Kunatha Edavaga) *Desam* and *Vitriul Desam* (Vythery, Vytery) *Amsham*.
14. The Estates numbered 14, 16, 17, 25, 26, 32, 34, 41, 55, 62 are in *Vitri* (Vitriul, Vythery, Vyteery) *Desam* and *Vitriul Desam Amsham*.

*Amsham* or *Umshum* is the name of a fiscal district, including all the places in the same collection.

*Desam* is equivalent to a domain or proprietary group.

Sketch Map of the Roads completed and in course of construction in the DISTRICT of WYNAAD. By Capt. Robt. Kennedy, Special Executive Engineers' Office, Lackadie, Wynaad, 1867. *Scale, 2 miles to 1 inch; size, 24 inches by 36.*

## Government Forest Maps in MALABAR DISTRICT.

*Scale, 10 chains to 1 inch.*

### *In Ernad Taluk.*

- |  |   |
|--|---|
| 1. Nellikutta.                         | 7. Erambodam.                                     |
| 2. Muriat.                             | 8. Arimbra-kuta-mala.                             |
| 3. Karien.                             | 9. Ambalakandi. <i>Scale, 5 chains to 1 inch.</i> |
| 4. Kanakut.                            | 10. Mangalasheri-Paramba.                         |
| 5. Panayangote Valuvasheri and Pokóte. | 11. Nilambur block.                               |
| 6. Chethamboria.                       |   |

### *In Calicut Taluk.*

- |                           |                                       |
|---------------------------|---------------------------------------|
| 12. Mangalasheri-Paramba. | 13. Putalatha and Chitarikel-Paramba. |
|---------------------------|---------------------------------------|

## 12. NILGIRI HILLS DISTRICT.

Map of the NEILGHERRY MOUNTAINS upon a scale of 1,000 feet to 1 inch. Surveyed under the superintendence of Captain F. Ouehterlony, 1848. The Hills are coloured green. In separate parts marked A, B, C, D, , G, H, I, K, L (incomplete). *Size of each, 36 inches by 50. MSS.*

Also a distinct series on the same scale, incomplete, marked A, C, E, F, G, H. MSS.

Index and Triangulation Sheet of the Survey of the NEILGHERRY MOUNTAINS. 1847. Signed J. Ouchterlony, Capt. Superintendent Revenue Survey. *Scale,  $1\frac{1}{4}$  mile to 1 inch ; size, 22 inches by 29.* MS.

A Drawing of the NEILGHERRY and KOONDAH MOUNTAINS. No title. Dated Survey Office, Ootacamund, 18th December 1852. J. Ouchterlony, Captain, Engineers, &c. *Scale, 4 miles to 1 inch ; size, 25 inches by 20.* MS.

Map of the KOONDAH MOUNTAINS, Coimbatore District, surveyed under the superintendence of the late Lieut.-Colonel J. Ouchterlony, Royal Engineers, in the year 1851 and 1852. *Scale, 1,000 feet to 1 inch ; on 16 sheets ; size of each, 22 inches by 27 ; price 30s.*

A Drawing of the NEILGHERRY and KOONDAH MOUNTAINS. with a tabular reference to 107 localities, besides other details. No title. Dated Survey Office, Ootacamund, 16th July 1852, and copied in the Surveyor General's Field Office, Dehra Doon, 22nd February 1853. *Scale, 4 mile to 1 inch ; size, 27 inches by 39.* MS.

An unfinished Drawing of part of the NEILGHERRY and KOONDAH MOUNTAINS, south and west of Ootacamund. No title or date. *Scale, 4 miles to 1 inch ; size, 20 inches by 10.* MS.

Skeleton Map of the DISTRICTS of COIMBATORE and MALABAR, showing the portion recently surveyed (Neilgherries and Koondahs) in green, and the tract of country and roads which it is proposed to complete in yellow. Signed J. Ouchterlony, Supt. Neilgherry Survey. No date. *Scale, 4 miles to 1 inch ; size, 29 inches by 38.* MS.

Geographical and Statistical Memoir of a Survey of the NEELGHERRY MOUNTAINS in the Province of Coimbatore, made in 1821 under the superintendence of Captain B. S. Ward. Folio, stiff cover. MS.

Plan of the NEELAGHERY MOUNTAINS in the DANAR-KENCOTA TALOOK, and part of the SATTIMUNGALUM and COIMBATORE TALOOKS. Surveyed by W. Keyes and C. McMahon, Assistant Revenue Surveyors. 1812. *Scale, 1 mile to 1 inch ; size, 60 inches by 39.* MS.

Map of the NEILGHERRY MOUNTAINS. Reduced from the Recent Survey. Survey Office, 4th November 1848. Lithographed in 1856. With Hills coloured green. Fort St. George, 1846. *Scale,  $1\frac{1}{4}$  miles to 1 inch ; size, 22 inches by 34.*

The same with Hills in black, and the settlements of Europeans and natives coloured.

The same, plain.

Geographical and Statistical Memoir of a Survey of the NEILGHERRY MOUNTAINS, under the superintendence of Capt. J. Ouchterlony, 1847. 145 pages, 8vo., stiff cover.



An ACCOUNT of the TRIBES on the NEILGHERRIES, by J. Shortt, Esq., M.D., &c., and a Geographical and Statistical Memoir of the Neilgherry Mountains, by the late Colonel Ouchterlony. 1868. 8vo., bound.

Map of the NEILGHERRIES, KOONDAHS, and WYNAAD, to illustrate the progress of Chinchona cultivation up to July 1866, by Clements R. Markham. *Scale, 2 miles to 1 inch ; size, 36 inches by 52 ; price, 6s.*

Outline Map of the COONOOR SETTLEMENT, surveyed in 1867 and 1868 by Sub-assistant T. Fraser and a detachment of No. 1 Revenue Survey. Party under the superintendence of Major W. S. Hessey. *Scale, 24 inches to 1 mile. With an enlargement of Coonoor town on the scale of 48 inches to 1 mile. In six sections ; size of each about 60 inches by 40.*

Topographical Map of the COONOOR SETTLEMENT, including the WELLINGTON CANTONMENT, reduced from the original map of the survey made in 1867 and 1868. Surveyed under the superintendence of Major Hessey by Mr. Sub-assistant Fraser and a detachment of No. 1 Revenue Survey Party. Hill sketching by Messrs. James and Clarkson. Revenue Survey Office, Chepauk, 28th July 1871. *Scale, 8 inches to 1 mile ; size, 39 inches by 37.*

The ROADS from the NEILGHERRY MOUNTAINS and the WYNAAD to the Coast on the West, and to the MADRAS RAILWAY, &c. on the South and East. On tracing cloth. No title or date. Signed H. W. Rawlins, Captain, Asst. to the Chief Engineer. *Scale, 4 miles to 1 inch ; size, 27 inches by 32. MS.*

Map of the NEILGHERRY MOUNTAINS. Reduced from Captain J. Ouchterlony's Survey. Madras, June 1870. *Scale, 2,000 feet to 1 inch ; on 10 sheets ; size of each, 29 inches by 22 ; price, 25s.*

OOTACAMUND on the NEILGHERRIES. 1856. *Size, 26 inches by 40.*

LAWRENCE ASYLUM at OOTACAMUND. Marked drawings, Nos. 2, 3, 4, 5, 6, 7. Joined in two parts ; *size of each, 37 inches by 45.* On tracing cloth. MSS.

COONOOR NEW GHAT, showing the present road from Matepolliem to Coonoor. The trace for a new road made by Capt. Francis, of the Madras Engineers, and the alteration proposed by W. Fraser, C.E. 1860. *Scale, 300 feet to 1 inch ; size, 170 inches by 37.* On tracing cloth. MS.

Another copy on tracing paper, mounted. MS.

COONOOR on the NEILGHERRIES, 1856. *Size, 11 inches by 15.* Both views drawn from nature and on stone by H. L. Frazer. Printed at the Surveyor-General's Office, Calcutta.

JACKATALLA BARRACKS. 1. Plan, Section, and Elevation of Military Prison. 1859. *Size, 24 inches by 31.* 2. Details of Furnace and Hot-air Pipes. *Size, 18 inches by 22.* 3. Plan and Section of the proposed Line of Sewerage from Jackatalla Barracks, past Coonoor Bridge. *Size, 15 inches by 24.* MSS.

**MALLIAPOORAM (MULLAPOORUM) CANTONMENT**  
and BARRACKS in MALABAR DISTRICT, and WELLINGTON CANTONMENT and BARRACKS in the NEILGHERRY District :—

1. Indian Atlas, sheet 61, containing both Malliapooram and Wellington, with the military roads coloured.
2. Survey of the Cantonment of Wellington on the Neilgherry Hills. December 1868. *Scale, 6 inches to 1 mile.*
3. Key Plan of the Military Buildings at Wellington.
4. Survey plans and sections of the Military Buildings at Wellington, on 6 sheets.
5. Plan of the Cantonment for the European Barracks, &c. at Malliapooram. Revised and corrected up to August 27th 1866.
6. Plans of Barracks at Malliapooram.

**13. NELLORE DISTRICT, including Nine Taluks.**

**Sketch of the TRACT surveyed in the NELLORE DISTRICT.**

C. Snell, Capt. Surveyor. Season 1833–34. *Scale, 16 miles to 1 inch ; size, 12 inches by 9.* MS.

**Sketch of the TRACT surveyed in the NELLORE DISTRICT.**

Season 1835. C. Snell, Capt. Asst. Surveyor General. *Scale, 16 miles to 1 inch ; size, 16 inches by 11.* MS.

**Sketch of the TRACT surveyed in the NELLORE DISTRICT,**  
during the season 1836. *Scale, 16 miles to 1 inch ; size, 12 inches by 10.* MS.

**Descriptive Memoir of the TRACT of COUNTRY surveyed in NELLORE in 1836.** C. Barnett, Assistant Surveyor. On 7 pages, foolscap. Unbound.

**REGISTER of TRIANGLES with lists of latitude and longitude in NELLORE.** Foolscap, half bound.

**Map of the TRACT of COUNTRY surveyed in the NELLORE DISTRICT during the seasons 1833, '34, '35, and '36.** Signed S. C. Macpherson, Lieut. Assistant Surveyor General. *Scale, 2 miles to 1 inch ; on 4 sheets ; size of each, 26 inches by 38.* MSS.

**Map shewing the Tracts set aside for FUEL RESERVES in the vicinity of METAPALAYAN at the foot of the NEILGHERRIES, marked H. K. and M.** *Vide G. O. No. 1671, dated 25th September 1871, Revenue Department.* *Scale, 1½ miles to 2 inches ; size, 26 inches by 40.*

**A part of the NELLORE SURVEY in 2 sheets endorsed Da. 27.** Sheet 1 contains Venkatagherry and Calahastry. Sheet 2 contains the country about the north part of Pulicat Lake. *Scale, 2 miles to 1 inch ; size of each, 26 inches by 21.* MS.

**The NELLORE SURVEY.** Dated S. G. O. Allahabad, August 1845. *Scale, 1 mile to 1 inch ; on 37 sheets, each containing 20° of Latitude and 15° of Longitude ; size of each, about 20 inches by 25.* MSS.

Re-survey of the WOODIAGHERRY ZEMINDARY in the Nellore District. Dated G. S. O. Allahabad, August 1845. *Scale, 2 miles to 1 inch; size, 26 inches by 36.* MS.

Re-surveys of parts of the NELLORE SURVEY contained in Sheets 16, 17, 20, 21. Dated S. G. O. Allahabad, 1845. *Scale, 1 mile to 1 inch; on 4 sheets marked [a], [b], [c], [d]; of various sizes, about 14 inches by 22.* MSS.

Bridge of 45 Arches of 15 Yards Span for the PENNAUR RIVER, Trunk Road, No. 8. *Scale, 6½ yards to 1 inch; size, 11 inches by 19.* MS. tracing.

## MADRAS REVENUE SURVEY OF NELLORE DISTRICT.

### I.—DISTRICT MAP.

Map of the NELLORE DISTRICT, showing the new boundaries of Taluq. Lithographed at the Fort Press, Chepauk, 1866. *Scale, 2 miles to 1 inch; size, 86 inches by 45.*

### II.—TALUK MAP.

Map of the KAVALI TALUK, NELLORE DISTRICT, reduced from the maps of the Revenue Survey completed in 1867. By F. C. Puckle, Esq., M.A., Deputy Superintendent, Revenue Survey. Chepauk, 1870. *Scale, 1 mile to 1 inch; on 2 sheets; size, 44 inches by 38.*

### III.—VILLAGE MAPS arranged in Taluks.

#### 1. Villages in Atmakur Taluk.

Abbasahbupeta Gudipadu	- No.	3	Chaparallapalli (Shrotriem)	- No.	54
Abbipuram Anamasamudram-peta, &c. (Zemindary)	- "	—	Chavutabhimavaram (Zemindary)	- "	—
Akbarbad Ashnapuran, &c. (Zemindary)	- "	—	Chendalurupadu (Zemindary)	- "	—
Amanichiruvella	- "	50	Chendrapadiya (Shrotriem)	- "	1
Anamasamudram (2 parts)	- "	12	Chiramana	- "	25
Anantasagaram	- "	57	Chintalapalem (Zemindary)	- "	—
Aravetipalli Kistipuram (Shrotriem)	- "	15	Chiruvella (Khandrika, Shrotriem)	- "	36
Araved	- "	19	Depuru	- "	43
Baddevol	- "	66	Devarayapalli Kottapalli, &c. (2 parts)	- "	47
Bandarupalli Murugulla	- "	41	Dharmaravucheruvupalli	- "	17
Battepadu	- "	39	Dubugunta	- "	14
Battulapalle	- "	89	Gavuravaram	- "	52
Bedusupalli Lingamgunta	- "	48	Gollapalle	- "	82
Billupad (Shrotriem)	- "	76	Gumparlapadu	- "	5
Bogasamudram (Shrotriem)	- "	90	Inagaluru Vengampalli	- "	49
Bommavaram	- "	53	Isakapalli (Shrotriem)	- "	68
Botikelapadu Gandlavedu (Zemindary)	- "	—	Jangalapalli (Shrotriem)	- "	42
Boyalacheruvella	- "	20	Kakarlapad	- "	10
Bramhanapalli (Zemindary)	- "	—	Kakivaya Khandapuram	- "	72
Bukkapuram (Shrotriem)	- "	2	Kalayapalem (Shrotriem)	- "	78
			Kaluvaya	- "	67

Kamireddipad (Shrotriem)	- No.	56	Patallapalli	-	-	- No.	60
Kanupurupalli (Shrotriem)	- "	40	Patapad	-	-	- "	84
Karatampad Satanapalli	- "	18	Peda Annaluru	-	-	- "	4
Kolugotla Virlagndipad	- "	33	Peramanazangaladoruvu	-	-	- "	31
Kondamidikonduru	-	24	Perumallapadu Puttupalli	-	-	- "	81
Korimerla (Khandrika)	-	27	Ponguru (3 parts)	-	-	- "	51
Kulluru (2 parts)	-	63	Prabhagiripatnam (3 parts)	-	-	- "	92
Kunalammappadu (Shrotriem)	- "	7	Rajavolu	-	-	- "	13
Kuppurupad (Shrotriem)	- "	23	Revuru	-	-	- "	44
Lakkarazupalem, &c. (2 parts)	- "	45	Shrikolanu	-	-	- "	—
Madanagaripalli, &c. (2 parts)	- "	64	Somasila (Shrotriem)	-	-	- "	62
Mahammadapuram	-	96	Surayapalem	-	-	- "	87
Mahimaluru	-	46	Talupurupadu (Shrotriem)	-	-	- "	29
Mustufapuram	-	6	Tatiparti	-	-	- "	—
Nadigaddamanudur	-	86	Telugurayapuram.	-	-	- "	73
Nagulapadu Ravulakollu, &c.	- "	37	Timmayapalem (Shrotriem)	-	-	- "	80
Nagulavellaturu	-	77	Topugunta (Agraharam Shro-	-	-	- "	70
Nallapalem	-	93	triem)	-	-	- "	71
Narammapeta Nellurupalem	- "	35	Topugunta (2 parts)	-	-	- "	—
Navur	-	101	Turpukambhampadu, &c.	-	-	- "	59
Nedurupalli Yerraballi	-	88	Uppalapadu	-	-	- "	58
Nilayapalem (Shrotriem)	- "	26	Variguntapadu	-	-	- "	—
Nukanapalli Kollavapalli	- "	69	Velagapadu (Zemindary)	-	-	- "	94
Nuvvurupad	-	38	Veligantipalem (Shrotriem)	-	-	- "	8
Padakandla Vennavada, &c.	- "	16	Velpulugunta (Shrotriem)	-	-	- "	95
Padamatikambhampadu	- "	61	Virur	-	-	- "	75
Pader	-	—	Yanamadala Yerraballi	-	-	- "	9
Pamidipadu (Shrotriem)	- "	21	Yedavalli	-	-	- "	—
Pandipad	-	11					

2. *Villages in Gudur Taluk.*

Akkamapeta (Zemindary)	- No.	—	Gudali	-	-	- No.	79
Aletipadu Chittamuru	- "	95	Gunupadu	-	-	- "	76
Amudalapad (Shrotriem)	- "	7	Gurivindapudi (Shrotriem)	-	-	- "	28
Annupallipadu (Shrotriem)]	- "	16	Idagali	-	-	- "	31
Annambaka (Shrotriem)	- "	81	Idimepalli Jangalapalli	-	-	- "	30
Anikapalli Golagamudi	- "	13	Ippapudi (Zemindary)	-	-	- "	—
Anumarlapudi (Agraharam)	- "	—	Irakam	-	-	- "	116
Atakanidibba	-	107	Isvaravakā	-	-	- "	93
Ayyavaripalem (Zemindary) (3	-	—	Kadapattada Tolakatla (2 parts)	-	-	- "	103
parts)	-	—	Kadivedu (3 parts)	-	-	- "	68
Bauddenolu	-	44	„ Key Map	-	-	- "	—
Bandepalli Jattakonduru	-	26	Kakitalapuram (Shrotriem)	-	-	- "	29
Beripetakarnapalem, &c.	- "	111	Kalavakuduru	-	-	- "	32
Bhavanagiripalem (Shrotriem)	- "	56	Kalavangu	-	-	- "	109
Bramhadevam	-	9	Kallipadu (Shrotriem)	-	-	- "	74
Budanam	-	59	Kandalepadu (Shrotriem)	-	-	- "	18
Chandrasikuppam, &c.	- "	100	Kandapallipadu (Shrotriem)	-	-	- "	71
Chengalpalem	-	108	Kandra (Zemindary)	-	-	- "	—
Chennugaripalem	-	113	Kandali Chemidide (Zemindary)	-	-	- "	—
Chennuru (4 parts)	-	48	Kandukur (Shrotriem)	-	-	- "	52
Chendodu	-	80	Kanupuru (3 parts)	-	-	- "	17
Cherukumudi (2 parts)	-	22	Kapuluru	-	-	- "	73
Chillakuru	-	62	Kasipuram (Shrotriem)	-	-	- "	88
Chilamuturu	-	72	Kasumuru (Shrotriem)	-	-	- "	20
Chittedu Kasavaram	-	—	Kattanapalli	-	-	- "	43
Damaravaya Kolapatta	-	105	Kondepalli (Shrotriem)	-	-	- "	15
Dorivaripalem Kalivadu	- "	110	Koradi Papaneri	-	-	- "	106

Kota (4 parts) -	-	No. 86	Payenampuram -	-	No. 1
Kakaramnlimavalam -	-	101	Pedaperiya -	-	58
Krishtnapatnam (2 parts) -	-	3	Pellakuru Mitta -	-	—
Kuehenada (Shrotriem) -	-	75	Pentapadu (Shrotriem) -	-	65
Kuditipalli (Shrotriem) -	-	25	Penupakam -	-	102
Kuraeharlapad (Shrotriem) -	-	21	Penubarti -	-	12
Kurugonda -	-	77	Pidatapoluru -	-	8
Latchmakka (Khandrika) -	-	87	Pidatalapudi Tikkavaram (4 parts) -	-	45
Madamanur -	-	24	Pondluru Ayapareddypalem (Zemindary) -	-	—
Malaganur -	-	91	Ponnavolu (Shrotriem) -	-	41
Malluru (Zemindary) -	-	—	Pudiparti (2 parts) -	-	33
Mamidipadu (Shrotriem) -	-	6	Pudirayadrovu (Zemindary) -	-	—
Mangalapurum -	-	50	Punjurupadu (Shrotriem) -	-	34
Manubolupeduru (Zemindary) -	-	—	Reddigunta (Zemindary) -	-	—
Mattamboka -	-	96	Reddipalem (2 parts) -	-	99
Mattampadu (Shrotriem) -	-	19	Rettamala, &c. -	-	112
Mekanur (Shrotriem) -	-	54	Rudravaram, &c. -	-	78
Mittalukuru (Zemindary) -	-	—	Rudrayapalem (Shrotriem) -	-	69
Mudumudi (Shrotriem) -	-	27	Sarvapalli (8 parts) -	-	11
Muttukuru -	-	4	„ Key Map -	-	—
Mutyalapadu -	-	64	Tallapudi Velluru -	-	10
Narikellapalli -	-	35	Tammanapatnam (4 parts) -	-	37
Nagulavaram -	-	14	Tanukumala (Zemindary) -	-	—
Nakkalakolu, &c. (Shrotriem) -	-	63	Tettupetapudiehenagaripalem -	-	115
Nataripalem -	-	114	Tinnalapudi -	-	89
Nellapalli Rettapalli -	-	60	Tippanuru (Shrotriem) -	-	61
Neltaturu -	-	49	Vakadu (2 parts) -	-	92
Nellorupalli -	-	85	Vallipedu -	-	82
Nyalatur -	-	2	Valluru (Khandrika) -	-	5
Ojili (Zemindary) -	-	—	Vedicherla -	-	51
Polieherlakonda, &c. (Zemindary) -	-	—	Venadu -	-	117
Polipadu (Shrotriem) -	-	57	Vendodu (3 parts) -	-	53
Pallamala -	-	83	Vijaya Nelluru (Shrotriem) -	-	70
„ (Khandrika) -	-	84	Vinduru (3 parts) -	-	47
Pambali (Shrotriem) -	-	98	Vurlavaripalem (Zemindary) -	-	—
Pandrangam Raganapatra -	-	104	Yellasairi -	-	94
Parlapadu (Shrotriem) -	-	23	Yeragatipalli -	-	90
Parlapalli (Shrotriem) -	-	67			
„ (Zemindary) -	-	9			

### 3. Villages in Kandukuru Taluk.

Ammavaripalem (Shrotriem) -	-	No. 107	Chinavenkanapalem -	-	No. 41
Anakarlappudi -	-	4	Chirrikurapadu -	-	50
Anantasagaram (Shrotriem) -	-	93	Darakanipadu -	-	104
Atmakuru -	-	72	Davagudur -	-	49
Ayyaparazupalem, &c. -	-	17	Dharmavaram -	-	11
Baddepudi (2 parts) -	-	114	Dondapadu (Shrotriem) -	-	70
Basireddipalem, &c. -	-	103	Gundlapalem (Shrotriem) -	-	102
Binguiipalli -	-	62	Gurrapadiya -	-	2
Bittragunta -	-	58	Gurrapadiya, &c. (Khandrika) -	-	9
Chagollu -	-	116	Ilavara -	-	24
Chatukupadu (Khandrika) -	-	29	Ilavara, &c. (Khandrika) -	-	30
Chavadavaram (2 parts) -	-	39	Ippagunta -	-	86
Chinakandlagunta -	-	5	Jillellamudi, &c. (Khandrika) -	-	76
Chinakandlagunta, &c. (Khandrika) -	-	6	Kalikivaya -	-	57
Chinakandlagunta, &c. -	-	7	Kaneharagunta (Shrotriem) -	-	95
			Kanumalla -	-	56

Kollurupadu, &c.	-	No. 67	Pedda Venkennapalem -	-	No. 91
„ (Khandrika)	-	68	Peridevi -	-	33
Kondamurusupalem -	-	96	Petluru, &c. (Khandrika)	-	21
Kondapi, &c. (Khandrika)	-	32	Petturu, &c. (Khandrika)	-	22
Kondareddipalem (Shrotriem)	-	99	Pirapuram, &c. (Khandrika)	-	19
Kondikandukuru -	-	75	Ponnaluru -	-	84
Kottapeta -	-	113	Ponnaluru, &c. (Khandrika)	-	85
Kovuru -	-	78	Potluru -	-	111
Krishnapuram (Shrotriem)	-	115	Ramaehandrapuram -	-	36
Mannetikota -	-	66	Ramayapatnam -	-	120
Mekapadu -	-	16	Ravuru -	-	121
Mulaguntapadu (Shrotriem)	-	59	Razulapalem (Shrotriem)	-	108
Muppalla, &c. (Khandrika)	-	79	Samirapalem -	-	87
Muppalla -	-	80	Sanampudi -	-	65
Nandanavanam, &c. -	-	54	Singammenipalli -	-	98
Nandanavanam -	-	55	Singarayakonda (Shrotriem)	-	64
Narasimhanarayani (Khandrika)	-	20	Singaribhotlavari (Khandrika)	-	82
Narasingolu -	-	37	Swarnajipuram, &c. -	-	112
Narasingolu, &c. (Khandrika)	-	38	Tupadu (Shrotriem)	-	43
Nekunampuram, &c. (2 parts)	-	88	Uppalapadu -	-	42
„ (Khandrika)	-	89	Vaviletepadu -	-	47
Nernurupadu -	-	3	Vellaturu, &c. (Shrotriem)	-	83
Pachehava -	-	25	Vempadu -	-	28
Pachehava, &c. (Shrotriem)	-	26	Venkatakrishnapuram (Shro-	-	12
Pakala -	-	61	triem) -	-	105
Pandulapadu -	-	77	Venkampeta (Shrotriem)	-	40
Paletipadu, &c. (Khandrika) (2	-	44	Vennur -	-	118
parts)	-	45	Verepalli -	-	52
Paletipadu, &c. -	-	46	Vikkirelapeta -	-	73
„ (Khandrika, Shrotriem)	-	53	Voguru -	-	92
Palukuru (3 parts)	-	71	Yedlurupadu (Shrotriem)	-	48
Paluru -	-	35	Zarugumalli -	-	14
Payidipadu -	-		Zuvvigunta -	-	

## 4. Villages in Kanigiri Taluk.

Anandapuram (Agraharam, Zemindary)	-	No. —	Kammapadu Ramagopalapuram (2 parts)	-	No. 29
Ayyanapalem (Shrotriem)	-	5	Kanchipuram (Shrotriem)	-	6
Balaka Venkatapuram (Shrotriem)	-	39	Kristnapuram (Shrotriem)	-	54
Bontakutipalli (Shrotriem)	-	34	Kutagundla Mallavaram, &c.	-	14
Chendraravipalem, &c. (2 parts)	-	48	Latehmakkapalli (Zemindary)	-	—
China Alavalapadu Dasullapalli	-	37	Machavaram Senkavaram (2 parts)	-	8
China Cherlopalli Nandanavanam (2 parts)	-	24	Malekondapuram (Shrotriem)	-	46
Chinagollapalli (Shrotriem)	-	19	Muppalapadu -	-	26
Chinnakesavapuram (Shrotriem)	-	32	Nallagundla (Shrotriem)	-	18
Chintalapalem Virabhadrapuram (2 parts)	-	55	Narasimhapuram (Shrotriem)	-	47
Dasaripalli Timmareddipalli	-	15	Nasikatriyembakkam (Shrotriem)	-	51
Doddiehintala -	-	13	Peddivenkatayapalli (Shrotriem)	-	23
Ganesunipalli (Shrotriem)	-	27	Polavaram (Shrotriem)	-	36
Gavuravaram Isullapalli, &c.	-	22	Potavaram (Shrotriem)	-	42
Gurugupadu (Shrotriem)	-	31	Ramayapalli (Agraharam, Zemindary)	-	—
Hajisupuram -	-	4	Senkarapuram (Shrotriem)	-	44
Hanumantapuram, &c. -	-	21	Somanapalli (Shrotriem)	-	7

Talluru Chavntagogulapalli, &c. (Agrabaram, Zemindary)	- No. —	Viragareddipalli (Zemindary)	- No. —	Dossallapalli	- No. —
Valicherla	- „ 20	Viswanadhapuram	(Shrotriem) „ 40		
Vedullaacheruvu	- „ 28	Vitalapuram	(Shrotriem) - „ 43		

5. *Villages in Kavali Taluk.*

Allimadugu (3 parts)	- No. 52	Kummarakonduru (Shrotriem)	- No. 10
Anemadugu	- „ 18	Lingalapadu (Shrotriem)	- „ 46
Annavaram	- „ 22	Maddurupadu	- „ 15
Ayitampadu (Shrotriem)	- „ 44	Mallavaram (Shrotriem)	- „ 54
Bitragunta (2 parts)	- „ 35	Mangamuru	- „ 32
Bodagudipadu (Shrotriem)	- „ 40	Mannangi Tinne	- „ 29
Bogavolu, &c. (3 parts)	- „ 49	Marellapadu (Shrotriem)	- „ 42
Bramhanakraka (4 parts)	- „ 25	Marrigunta (Zemindary)	- „ —
Budamagunta	- „ 26	Musunuru	- „ 27
Chamadala	- „ 37	Nagasamudram, &c. (Zemindary)	- „ 41
Chennarayanpalem (5 parts)	- „ 31	Nekanampeta, &c.	- „ 2
Chennayapalem	- „ 17	Ravulakollu (Shrotriem)	- „ 8
Chinnakraka, &c. (2 parts)	- „ 23	Rudrakota	- „ 16
Chintalapalem (Shrotriem)	- „ 13	Rungasamudram (Shrotriem)	- „ 45
Chinna Annaluru, &c. (9 parts)	- „ 6	Sayapeta (3 parts)	- „ 1
Chintaladevi, &c. (4 parts)	- „ 5	Samhasavirapuram (Shrotriem)	- „ 33
Dundigam	- „ 43	Siddavaram, &c. (Shrotriem)	- „ 53
Gayuravaram	- „ 34	Siddanakondur	- „ 55
Gattupalli, &c. (2 parts)	- „ 12	Somavarappadu (Shrotriem)	- „ 39
Gudavalur	- „ 3	Tallapalem (3 parts)	- „ 28
Kaligherry (2 parts)	- „ 7	Talluru	- „ 36
Kakuturu (Shrotriem)	- „ 9	Tellapadu (Zemindary)	- „ 53
Katrayapadu (Shrotriem)	- „ 47	Tummalapenta (2 parts)	- „ 30
Kattapalli	- „ 14	Umamaheswaram (Shrotriem)	- „ 51
Kavurpalli	- „ 50	Veligundla	- „ 4
Kesavaram, &c.	- „ 11	Zakkepalli Guduru	- „ 48
Kodandaramapuram (Shrotriem)	- „ 24	Zaladanke (5 parts)	- „ 21
Krishnapadu (Shrotriem)	- „ 38	Zammulapalem	- „ 20

6. *Villages in Nellore Taluk.*

Alaganipad	- No. 85	Damaramadugu	- No. 63
Allur (7 parts)	- „ 5	Damavaram, &c.	- „ 2
Alurupadu, &c.	- „ 47	Damegunta	- „ 80
„	- „ 74	Dampur	- „ 17
Amancharla	- „ 142	Dandigunta	- „ 16
Ambapuram (Shrotriem)	- „ 135	Desavadadinne, &c.	- „ 62
Amulur (South)	- „ 102	Davarapalem, &c.	- „ 139
„ (North)	- „ 21	Dontali	- „ 133
Anautabhotla (Khandrika)	- „ 18	Gandavaram	- „ 46
Anantapuram, &c.	- „ 118	Gangapatnam	- „ 88
Anantavaram (Shrotriem)	- „ 3	Gangavaram (Shrotriem)	- „ 66
Annareddipalem	- „ 41	Gogulapalle	- „ 13
Basavapalem	- „ 79	Gollakandukur	- „ 149
Bhujabhujanellore (Shrotriem)	- „ 130	Gotlapalem (Shrotriem)	- „ 45
Birangunta	- „ 19	Grandagunta	- „ 9
Chamndugunta, &c.	- „ 131	Gudipallipad, &c.	- „ 94
Chavukacherla, &c.	- „ 81	Gundalammapalem	- „ 77
Chennur (Shrotriem)	- „ 27	Gundlapalem (Shrotriem)	- „ 124
Chinacherukur	- „ 98	Iduru (2 parts)	- „ 116
Chintareddipalem, &c.	- „ 97	Inamadugu, &c.	- „ 6
Dagadarti, &c.	- „ 25	Indukurupata (2 parts)	- „ 108

Rajapalayam -	-	No. 83	Tedagirippatti* -	-	No. 269
Ramanaikanpatti -	-	" 42	Tekkampatti -	-	" 234
Ramapuram -	-	" 96	Tengalpalayam -	-	" 30
Ramireddippatti* -	-	" 323	Tindamangalam* -	-	" 308
Reddipatti -	-	" 94	Tippampatti -	-	" 127
Sakkarappatti* -	-	" 164	Tirumalagiri -	-	" 214
Samakuttapatti -	-	" 132	Tivattippatti* -	-	" 257
Sandumalai -	-	" 189	Tolasampatti* -	-	" 299
Sangidapatti -	-	" 230	Toppampatti -	-	" 6
Sarkarkollapatti -	-	" 221	Toppampatti Pachudaiyampala-	-	" 11
Sarkkarnattermangalam -	-	" 168	yam -	-	" 25
Sattappadi* -	-	" 280	Tottiyampatti -	-	" 202
Savudapuram -	-	" 51	Tumbadulippatti or Puduppala-	-	" 251
Sedarpalayam -	-	" 9	yam -	-	" 134
" -	-	" 8	Tumbippadi (2 parts)* -	-	" 309
Sekkarapatti -	-	" 240	Tummalpatti -	-	" 213
Sekkarasettippatti -	-	" 243	Tundumaniyam (2 parts)* -	-	" 20
Selattampatti -	-	" 206	Vadamuttampatti (2 parts) -	-	" 67
Selavadi* -	-	" 317	Vadugam -	-	" 155
Sellippalayam -	-	" 87	Valakuttampatti -	-	" 150
Seminandapatti -	-	" 55	Valasaiyur -	-	" 3
Sendinapillaivarasai -	-	" 180	Valayakaranur -	-	" 290
Sendiyur Adaiyampatti -	-	" 122	Valayapatti -	-	" 116
Sendipur -	-	" 121	Vanavasi* -	-	" 205
Sendrayampalayam -	-	" 174	Vaniyampadi -	-	" 130
Settippatti* -	-	" 311	Vadakuttampatti -	-	" 151
Sevappalayam -	-	" 93	Vedampatti* -	-	" 313
Sikkampatti -	-	" 326	Vedappatti -	-	" 183
Sikkanampatti* -	-	" 250	Vedumpatti -	-	" 225
Sinnagavundapuram -	-	" 146	Velampatti -	-	" 172
Sinnamanayakampalayam -	-	" 185	Vellacalpatti -	-	" 238
Sinnasorigai -	-	" 294	Vellalakundam -	-	" 266
Sittaneri -	-	" 104	Vellalappatti -	-	" 136
Sukkumpatti -	-	" 156	Vellar (2 parts)* -	-	" 72
Suramangalam -	-	" 209	Vellayampatti -	-	" 99
Surappalli* -	-	" 291	Vennandur -	-	" 66
Suriyur -	-	" 126	Vembaditalam -	-	" 138
Tadanur -	-	" 157	Vengampatti -	-	" 263
Tadaiyyampatti* -	-	" 247	Veppalappatti -	-	" 286
Tailanur (2 parts) -	-	" 149	Veppale (2 parts)* -	-	" 100
Tanakuttipalayam -	-	" 79	Virakkal* -	-	" 165
Taramangalam (2 parts) part 2* -	-	" 324	Virapandi -	-	" 239
Tasagappatti* -	-	" 292	Yeripputtur -	-	
Tattaiyangarpatti -	-	" 235	Yettikkuttipatti -	-	

## 7. Villages in Tiruchangad† Taluk.

Adiyur -	-	No. 4	Attavanaitalaiyur -	-	No. 66
Agaram -	-	" 100	Avadattur -	-	" 2
Agraharataleiyur -	-	" 67	Avanasippatti -	-	" 97
Agraranattamangalam -	-	" 113	Avaniperur -	-	" 7
Alattur -	-	" 40	Devanangurichi -	-	" 57
Anangur (2 parts) -	-	" 34	Devur -	-	" 20
Andipalayam -	-	" 60	Elur -	-	" 107
Annadanapatti -	-	" 53	Gidikaval -	-	" 50
Arasiraniani (2 parts) -	-	" 16	Gudalur -	-	" 83
" -	-	" 19	Idangansalai -	-	" 77

\* These villages, according to the maps, are in Omalur Division.

† Formerly Sankeridrug Taluk; also Teruchangode.



Idappadi - - -	No. 45	Pallippalaiyam (5 parts) - - -	No. 30
Ilupili - - -	" 102	" " " - - -	" 33
Iranapuram - - -	" 81	Pallakkappalaiyam - - -	" 39
Irupalli - - -	" 3	Paruttippalli - - -	" 94
Kachippalli - - -	" 69	Pellakkuli - - -	" 65
Kadachanur - - -	" 32	Pillakavundanpatti (2 parts) - - -	" 21
Kanagagiri - - -	" 82	" " " - - -	" 22
Kandarkulamanikkam - - -	" 85	Pillakavundanpatti - - -	" 103
Kannanderi (2 parts) - - -	" 48	Podangam - - -	" 111
" " - - -	" 68	Puduppalaiyam - - -	" 73
Karakurichi - - -	" 109	Pudur - - -	" 80
Karumapuram - - -	" 63	Pulampatti - - -	" 9
Karungalpatti - - -	" 93	Punjaipuduppalayam (2 parts) - - -	" 105
Karuveppampatti - - -	" 56	Rajapalayam (2 parts) - - -	" 55
Kattari - - -	" 23	" " " - - -	" 62
Kaveripatti (3 parts) - - -	" 14	Rasnapuram - - -	" 95
" " - - -	" 14½	Samaiyasangili (2 parts) - - -	" 25
" " - - -	" 17	" " " - - -	" 31
Kilappalaiyam - - -	" 101	Samudram - - -	" 72
Kiliyanur (2 parts) - - -	" 26	Sappaiyapuram - - -	" 87
Konasamudram - - -	" 74	Sarkkarnattamangalam - - -	" 114
Koneripatti (3 parts) - - -	" 12	Savudapuram - - -	" 38
" " - - -	" 15	Sembagamahadevi - - -	" 64
" " - - -	" 18	Settimankurichi - - -	" 6
Konnaiyār (2 parts) - - -	" 99	Sinnakavundanur (3 parts) - - -	" 42
Kottapalayam - - -	" 92	Sinnamanali - - -	" 46
Kumarapalayam - - -	" 24	Sittur - - -	" 5
" " - - -	" 115	Tadaiyangarpatti - - -	" 110
Kurakkapuram - - -	" 116	Tattapuram - - -	" 70
Kuttampundi - - -	" 104	Teppakuttai - - -	" 78
Lakkapuram - - -	" 112	Tevankavundanur (2 parts) - - -	" 44
Leddivadi - - -	" 106	Tiruchangad (Kusbah) - - -	" 61
Mallasamudram - - -	" 91	Vadugampatti - - -	" 51
Manjakkalpatti - - -	" 43	Vaikundam - - -	" 49
Mangalam - - -	" 84	Vandinattam - - -	" 98
Mamundi - - -	" 90	Varagurppatti - - -	" 58
Modamangalam (2 parts) - - -	" 35	Vattu (4 parts) - - -	" 96
" " - - -	" 36	Velanattam (3 parts) - - -	" 86
Morur - - -	" 54	" " " - - -	" 88
Mudalkalvai (2 parts) - - -	" 10	" " " - - -	" 89
" " - - -	" 13	Vellalapuram - - -	" 75
Naduvareri - - -	" 72	Vellerippatti - - -	" 8
Nayami - - -	" 108	Vembaneri - - -	" 71
Nedungulam - - -	" 11	Veppampatti - - -	" 52
Padavid - - -	" 37	Virachippalaiyam - - -	" 41
Pallippalaiyam (5 parts) - - -	" 27	Yekkapuram - - -	" 76
" " - - -	" 28	Yembapalli - - -	" 59
" " - - -	" 29		

8. *Villages in Tripatur Taluk.*

Adanakavunapalli - - -	No. 115	Anganathavalasei - - -	No. 14
Adiur - - -	" 49	Arasanpalli - - -	" 122
Agraharam (2 khandams) - - -	" 108	Arasangkanni - - -	" 140
Alangayam (2 khandams) - - -	" 78	Arupandakuppam - - -	" 137
Ammanakovil - - -	" 106	Athurkuppam - - -	" 131
Ambalur - - -	" 133	Bolinaickanur - - -	" 59
Anasagaram - - -	" 104	Bandarapalli - - -	" 109
Andalavadinatham - - -	" 72	" " - - -	" 125
Andiyappanur - - -	" 67	Bandirevu - - -	" 1

Bommanabunda	-	-	No. 120	Natchiyarkuppam	-	-	No. 70
Bothanur	-	-	62	Nattarampalli	-	-	124
Cheruvukindanapalli	-	-	132	Navapupetti	-	-	5
Chinnagirismudram	-	-	130	Nayanattur	-	-	105
Chinnaavundanur	-	-	11	Nimmayampattu	-	-	82
Chinnappanaickanur	-	-	117	Nullakadiranpalli	-	-	113
Doddanachampatti	-	-	126	Odiamattur	-	-	29
Gengalapuram	-	-	127	Padakuppam	-	-	80
Iranampatti	-	-	65	Pallappanatham	-	-	73
Jaghir Pallakutter (2 khandams)	-	-	83	Paneiyandapalli	-	-	102
Jayatipuram (2 khandams)	-	-	92	Panjarampatti	-	-	46
Jedayanur	-	-	61	Pannadakuppam	-	-	128
Jonnakavundanur	-	-	66	Paramuttampatti	-	-	52
Kadayampatti	-	-	22	Parandapalli	-	-	90
Kalandira	-	-	88	Perambattu	-	-	19
Kalarampatti	-	-	76	Perumampattu	-	-	60
Kalarpadi	-	-	12	Piyappanayanpetti	-	-	114
Kallathur	-	-	4	Pudur	-	-	36
Kallur	-	-	10	Pulackanavalasei	-	-	8
Kalleri	-	-	28	Pungolam	-	-	74
Kanamandurpudukottei	-	-	54	Puram	-	-	93
Kavulipettei	-	-	48	Ragimanuchenu	-	-	77
Kavundappanur	-	-	42	Ravuthampatti	-	-	47
Kiliyur	-	-	3	Reddivalasei	-	-	141
Kilkuppam	-	-	32	Reddiyur	-	-	86
Kittapiyanur	-	-	96	Salarempatti	-	-	40
Kollakuttei	-	-	95	Sandirapuram	-	-	23
Kondakindanapalli	-	-	118	Senkarapuram	-	-	135
Kottur	-	-	85	Setteyeri	-	-	100
"	-	-	116	Sevvathur	-	-	41
Kudimianur	-	-	9	Sinnakunichi	-	-	43
Kumarampatti	-	-	39	Sinna Odiamputtur	-	-	27
Kunichi	-	-	44	Sinna Perambattu	-	-	20
Kuppanatham	-	-	6	Sinnarumpatti	-	-	34
Kurchilapettu	-	-	58	Simmanaputtur	-	-	7
Kurumberi	-	-	11	Sitteri	-	-	17
Kuttichevurunattam	-	-	68	Sunnampukuttei	-	-	111
Madakadappah (2 parts)	-	-	138	Sunnapavanka	-	-	61
Madapalli	-	-	53	Tadakullanur	-	-	37
Madavalum	-	-	56	Tamalerimuttur	-	-	89
Mallapalli	-	-	103	Thoranampudi	-	-	35
Mambakam	-	-	13	Tippasamudram	-	-	142
Mavadimanapalli	-	-	112	Tiruppattur (2 khandams)	-	-	50
Mangalapalli	-	-	23	Torayari	-	-	87
Manguppam	-	-	31	Urakavundanur	-	-	2
Mattarpalli	-	-	16	Vadakkumuttampatti	-	-	57
Marimanakuppam (2 khandams)	-	-	71	Vaniyambadi	-	-	136
Merkattianur	-	-	15	Veladigemnbunda	-	-	139
Milarampatti	-	-	121	Velakalanattam	-	-	99
Mottur	-	-	38	Venkatanayanapalli	-	-	119
"	-	-	69	Vengalapuram	-	-	51
"	-	-	107	Veppaleinatham	-	-	97
Mullukumbei	-	-	84	Veppalumpatti	-	-	25
Muttanpalli	-	-	110	Viramustipalli	-	-	11
Nagadevampatti	-	-	129	Virapalli	-	-	101
Nagarajampatti	-	-	18	Vishamangalam (2 parts)	-	-	26
Nagikkuttai	-	-	30	Yakalasapuram	-	-	134
Naickanur	-	-	21	Yclavampatti	-	-	45
Narasingapuram (2 khandams)	-	-	75	Yetticuppam	-	-	64
Narayanapuram	-	-	63				

9. *Villages in Uttangheri Taluk.*

Achalavadi -	-	-	No. 77	Kamalampatti -	-	-	No. 178
Achchampatti -	-	-	" 20	Kanachi -	-	-	" 346
Agraharam -	-	-	" 132	Kangavembu -	-	-	" 155
Alamalupuram -	-	-	" 9	Kanjanur -	-	-	" 263
Allalampatti -	-	-	" 68	Kanakavandampatti -	-	-	" 175
Ammiyampatti -	-	-	" 237	Kanakampatti -	-	-	" 268
Ambenaickampatti -	-	-	" 328	Kanampatti -	-	-	" 324
Andipatti -	-	-	" 278	Karakampatti -	-	-	" 208
" -	-	-	" 117	Karapatti -	-	-	" 368
" -	-	-	" 71	Kariahperumavalasai -	-	-	" 295
Andiyur -	-	-	" 379	Karumandapadi -	-	-	" 362
Annamali Halli -	-	-	" 44	Karuttampatti -	-	-	" 148
Annamalipatti -	-	-	" 67	Kathananumpatti -	-	-	" 69
Annamanthathirtham -	-	-	" 210	Katharipuram -	-	-	" 24
Appayampatti -	-	-	" 109	Kathirampatti -	-	-	" 225
Arur -	-	-	" 87	Kattavedichampatti -	-	-	" 193
Aruvapadi -	-	-	" 364	Kattanur -	-	-	" 122
Attippadi -	-	-	" 303	Katteri -	-	-	" 211
Athiviriampalli -	-	-	" 342	Kattur -	-	-	" 66
Avalampatti -	-	-	" 107	Kattusingiripatti -	-	-	" 231
Balasamuthiram -	-	-	" 55	Kavoipatti -	-	-	" 165
Biyiranaththam -	-	-	" 19	Kavundampatti -	-	-	" 32
Bodinaickampatti -	-	-	" 112	Kendayampatti -	-	-	" 104
Bomampatti -	-	-	" 276	Kendikanur -	-	-	" 301
Bothakkadu -	-	-	" 18	Kerikapalli -	-	-	" 254
Botarajampatti -	-	-	" 291	Kethunaickampatti -	-	-	" 296
Buthinatham -	-	-	" 184	Kettupatti -	-	-	" 123
Buthinatham -	-	-	" 26	Kilapari -	-	-	" 83
Chikkalur -	-	-	" 387	Kilkuppam -	-	-	" 282
Dadinaickampatti -	-	-	" 260	Kilmattur -	-	-	" 378
Danarajapalayam -	-	-	" 43	Kilmurappur -	-	-	" 134
Elayampatti -	-	-	" 154	Kiripatti -	-	-	" 85
Erulempatti -	-	-	" 33	Kittampatti -	-	-	" 235
Ganapathipatti -	-	-	" 147	" -	-	-	" 316
Ganganur -	-	-	" 339	Kodamandapatti -	-	-	" 160
Gengunaickampatti -	-	-	" 335	Kokkarapatti -	-	-	" 37
Gidakaranur -	-	-	" 314	Kollanur -	-	-	" 319
Gollapatti -	-	-	" 223	Kolineganur -	-	-	" 14
Gopisittipaliam -	-	-	" 63	Kottapadi -	-	-	" 358
Gopalapuram -	-	-	" 29	Kottappatti -	-	-	" 331
Gonguperampatti -	-	-	" 327	Kottarampatti -	-	-	" 65
Gomudapuram -	-	-	" 383	Kottukkarampatti -	-	-	" 294
Gndalur -	-	-	" 176	Komampatti -	-	-	" 375
Gundalamadavu -	-	-	" 25	Kombur -	-	-	" 1
Ichampatti -	-	-	" 158	Konampatti -	-	-	" 167
Ilavamadi -	-	-	" 302	" -	-	-	" 172
Ilupukuttapatti -	-	-	" 320	Kondampatti -	-	-	" 288
Ittiyampatti -	-	-	" 180	Konampatti -	-	-	" 236
Ittilampatti -	-	-	" 152	Koninaickampatti -	-	-	" 246
Jamnanhalli -	-	-	" 45	Kosapatti -	-	-	" 116
Jengalhalli -	-	-	" 23	Kothanampatti -	-	-	" 174
Jengalavadi -	-	-	" 168	Kottalpethampatti -	-	-	" 240
Kadavani -	-	-	" 365	Kottarapatti -	-	-	" 216
Kalagampatti -	-	-	" 70	Kudimiyampatti -	-	-	" 19
Kalladipatti -	-	-	" 126	Kullampadi -	-	-	" 360
Kallukanur -	-	-	" 330	Kullattpatti -	-	-	" 5
Kaluthipatti -	-	-	" 243	Kumarampatti -	-	-	" 151

Kumarampatti -	-	-	No. 352	Nadupatti -	-	-	No. 204
Kunampatti -	-	-	" 354	" -	-	-	" 367
Kunaganapalli -	-	-	" 337	Naickanur -	-	-	" 306
Kungilipatti -	-	-	" 289	Nallavampatti -	-	-	" 206
Kunnaththur -	-	-	" 351	Nambipatti -	-	-	" 74
Kuppanatham -	-	-	" 299	Naralampalli -	-	-	" 347
Kurakampatti -	-	-	" 264	Naranapuram -	-	-	" 30
Kursampatti -	-	-	" 334	Nariyampatti -	-	-	" 207
Kurukapatti -	-	-	" 309	Narisampatti -	-	-	" 311
Kurumapatti -	-	-	" 159	Naripalli -	-	-	" 391
Kurumbapatti -	-	-	" 105	Navali -	-	-	" 118
" -	-	-	" 138	Nayiperampatti -	-	-	" 326
Kurumbarahalli -	-	-	" 53	Nirupandakuppam -	-	-	" 133
Kurumbervalasai -	-	-	" 376	Nochipatti -	-	-	" 270
Kuthampatti -	-	-	" 221	Nonanganur -	-	-	" 6
Kuttapatti -	-	-	" 161	Nynakavundampatti -	-	-	" 100
Lingapuram -	-	-	" 86	Obakkavalasi -	-	-	" 292
Luckampatti -	-	-	" 209	Oblinaekkanhalli -	-	-	" 51
Maganurpatti (2 parts) -	-	-	" 382	Obinaickampatti -	-	-	" 269
Malakkapadi -	-	-	" 38	Oblinaickampatti -	-	-	" 102
Mallampatti -	-	-	" 322	Oddaputty -	-	-	" 149
Mallapuram -	-	-	" 248	Oddapatti -	-	-	" 338
Mallupatti -	-	-	" 297	Omayanur -	-	-	" 372
Mambadi -	-	-	" 183	Onnakarri -	-	-	" 257
Mampatti -	-	-	" 153	Onnakari -	-	-	" 284
Manthikulampatti -	-	-	" 386	Pachnampatti -	-	-	" 72
Mannandipatti -	-	-	" 272	Pachanampatti -	-	-	" 228
Marampatti -	-	-	" 323	Padavanur -	-	-	" 255
Maruthopatti -	-	-	" 129	Padapalli -	-	-	" 265
Maththiampatti -	-	-	" 190	Padathasampatti -	-	-	" 261
Mattayampatti -	-	-	" 99	" -	-	-	" 336
Maveripatti -	-	-	" 144	Palayam -	-	-	" 125
Maveripatti -	-	-	" 166	" -	-	-	" 186
Mclasangambadi -	-	-	" 196	Palayakotti -	-	-	" 244
Mallanur -	-	-	" 171	Palidiyour -	-	-	" 40
Mettupatti -	-	-	" 89	Pallathur -	-	-	" 305
Mettuthangal -	-	-	" 245	Pallipatti -	-	-	" 127
Mettuvalasi -	-	-	" 130	" -	-	-	" 22
Meyandapatti -	-	-	" 214	Panamarathupatti -	-	-	" 259
Mittapalli -	-	-	" 318	" -	-	-	" 96
Mobiripatti -	-	-	" 90	Papampadi -	-	-	" 35
Molayanur -	-	-	" 16	Papparapatti -	-	-	" 359
Morappur -	-	-	" 97	" -	-	-	" 258
Morasampatti -	-	-	" 58	Papunaikkanvalasai -	-	-	" 150
Mottur -	-	-	" 340	Papusettipatti -	-	-	" 242
Muchilikutta -	-	-	" 377	Papureddipatti -	-	-	" 10
Mukkanurpatti -	-	-	" 108	Papusettipatti -	-	-	" 64
Mukkaredipatti -	-	-	" 34	Parasanur -	-	-	" 348
Muttampatti -	-	-	" 363	Pariamunjavadi -	-	-	" 3
Mundarampatti -	-	-	" 293	Parayapatti -	-	-	" 41
Mungilpatti -	-	-	" 131	" -	-	-	" 139
Muringipatti -	-	-	" 273	Pasandi -	-	-	" 341
Murukkanthal -	-	-	" 218	Pattukunampatti -	-	-	" 5
Murungaleri -	-	-	" 217	Pavakul -	-	-	" 205
Nachinampatti -	-	-	" 75	Pennagarapatti -	-	-	" 137
" -	-	-	" 59	Periapannimadavu -	-	-	" 188
Nackalpatti -	-	-	" 239	Periathalapadi -	-	-	" 315
Nadupatti -	-	-	" 4	Perumaulkuppam -	-	-	" 267
" -	-	-	" 106	Perumanaickampatti -	-	-	" 241

9. *Villages in Uttangheri Taluk.*

Achalavadi -	-	-	No. 77	Kamalampatti -	-	-	No. 178
Achchampatti -	-	-	" 20	Kanachi -	-	-	" 346
Agraharam -	-	-	" 132	Kangavembu -	-	-	" 155
Alamalupuram -	-	-	" 9	Kanjanur -	-	-	" 263
Allalampatti -	-	-	" 68	Kanakavandampatti -	-	-	" 175
Ammiyampatti -	-	-	" 237	Kauakampatti -	-	-	" 268
Ambenaickampatti -	-	-	" 328	Kanampatti -	-	-	" 324
Andipatti -	-	-	" 278	Karakampatti -	-	-	" 208
" -	-	-	" 117	Karapatti -	-	-	" 368
" -	-	-	" 71	Kariahperumavalasai -	-	-	" 295
Andiyur -	-	-	" 379	Karumandapadi -	-	-	" 362
Annamali Halli -	-	-	" 44	Karuttampatti -	-	-	" 148
Annamalipatti -	-	-	" 67	Kathananumpatti -	-	-	" 69
Anumanthathirtham -	-	-	" 210	Katharipuram -	-	-	" 24
Appayampatti -	-	-	" 109	Kathirampatti -	-	-	" 225
Arur -	-	-	" 87	Kattavedichampatti -	-	-	" 193
Aruvapadi -	-	-	" 364	Kattanur -	-	-	" 122
Attippadi -	-	-	" 303	Katteri -	-	-	" 211
Athiviriampalli -	-	-	" 342	Kattur -	-	-	" 66
Avalampatti -	-	-	" 107	Kattusingiripatti -	-	-	" 231
Balasamuthiram -	-	-	" 55	Kavoipatti -	-	-	" 165
Biyiranaththam -	-	-	" 19	Kavundampatti -	-	-	" 32
Bodinaickampatti -	-	-	" 112	Kendayampatti -	-	-	" 104
Bomampatti -	-	-	" 276	Kendikanur -	-	-	" 301
Bothakkadu -	-	-	" 18	Kerikapalli -	-	-	" 254
Botarajampatti -	-	-	" 291	Kethunaickampatti -	-	-	" 296
Buthinatham -	-	-	" 184	Kettupatti -	-	-	" 123
Buthinatham -	-	-	" 26	Kilapari -	-	-	" 83
Chikkalur -	-	-	" 387	Kilkuppam -	-	-	" 282
Dadinaickampatti -	-	-	" 260	Kilmattur -	-	-	" 378
Danarajapalayam -	-	-	" 43	Kilmurappur -	-	-	" 134
Elayampatti -	-	-	" 154	Kiripatti -	-	-	" 85
Erulempatti -	-	-	" 33	Kittampatti -	-	-	" 235
Ganapathipatti -	-	-	" 147	" -	-	-	" 316
Ganganur -	-	-	" 339	Kodamandapatti -	-	-	" 160
Gengunaickampatti -	-	-	" 335	Kokkarapatti -	-	-	" 37
Gidakaranur -	-	-	" 314	Kollanur -	-	-	" 319
Gollapatti -	-	-	" 223	Kolineganur -	-	-	" 14
Gopisittipaliam -	-	-	" 63	Kottapadi -	-	-	" 358
Gopalapuram -	-	-	" 29	Kottappatti -	-	-	" 331
Gonguperampatti -	-	-	" 327	Kottarampatti -	-	-	" 65
Gomudapuram -	-	-	" 383	Kottukkarampatti -	-	-	" 294
Gudalur -	-	-	" 176	Komampatti -	-	-	" 375
Gundalamadavu -	-	-	" 25	Kombur -	-	-	" 1
Ichampatti -	-	-	" 158	Konampatti -	-	-	" 167
Ilavamadi -	-	-	" 302	" -	-	-	" 172
Ilupukuttapatti -	-	-	" 320	Kondampatti -	-	-	" 288
Ittiyampatti -	-	-	" 180	Konampatti -	-	-	" 236
Ittilampatti -	-	-	" 152	Koninaickampatti -	-	-	" 246
Jamnanhalli -	-	-	" 45	Kosapatti -	-	-	" 116
Jengalhalli -	-	-	" 23	Kothanampatti -	-	-	" 174
Jengalavadi -	-	-	" 168	Kottalpethampatti -	-	-	" 240
Kadavani -	-	-	" 365	Kottarapatti -	-	-	" 216
Kalagampatti -	-	-	" 70	Kudimiyampatti -	-	-	" 19
Kalladipatti -	-	-	" 126	Kullampadi -	-	-	" 360
Kallukanur -	-	-	" 330	Kullattapatti -	-	-	" 5
Kaluthipatti -	-	-	" 243	Kumarampatti -	-	-	" 151

Kumarampatti -	-	-	No. 352	Nadupatti -	-	-	No. 204
Kunampatti -	-	-	" 354	" -	-	-	" 367
Kunaganapalli -	-	-	" 337	Naickanur -	-	-	" 306
Kungilipatti -	-	-	" 289	Nallavampatti -	-	-	" 206
Kunnaththur -	-	-	" 351	Nambipatti -	-	-	" 74
Kuppanatham -	-	-	" 299	Naralampalli -	-	-	" 347
Kurakampatti -	-	-	" 264	Naranapuram -	-	-	" 30
Kursampatti -	-	-	" 334	Nariyampatti -	-	-	" 207
Kurukapatti -	-	-	" 309	Narisampatti -	-	-	" 311
Kurumapatti -	-	-	" 159	Naripalli -	-	-	" 391
Kurumbapatti -	-	-	" 105	Navali -	-	-	" 118
" -	-	-	" 138	Nayiperampatti -	-	-	" 326
Kurumbarahalli -	-	-	" 53	Nirupandakuppam -	-	-	" 133
Kurumbervalasai -	-	-	" 376	Nochipatti -	-	-	" 270
Kuthampatti -	-	-	" 221	Nonanganur -	-	-	" 6
Kuttapatti -	-	-	" 161	Nynakavundampatti -	-	-	" 100
Lingapuram -	-	-	" 86	Obakkavalasi -	-	-	" 292
Luckampatti -	-	-	" 209	Oblinaickanhalli -	-	-	" 51
Maganurpatti (2 parts) -	-	-	" 382	Obinaickampatti -	-	-	" 269
Malakkapadi -	-	-	" 38	Oblinaickampatti -	-	-	" 102
Mallampatti -	-	-	" 322	Oddaputty -	-	-	" 149
Mallapuram -	-	-	" 248	Oddapatti -	-	-	" 338
Mallupatti -	-	-	" 297	Omayanur -	-	-	" 372
Mambadi -	-	-	" 183	Onnakarri -	-	-	" 257
Mampatti -	-	-	" 153	Onnakari -	-	-	" 284
Manthiknlampatti -	-	-	" 386	Pachnampatti -	-	-	" 72
Mannandipatti -	-	-	" 272	Pachanampatti -	-	-	" 228
Marampatti -	-	-	" 323	Padavanur -	-	-	" 255
Maruthopatti -	-	-	" 129	Padapalli -	-	-	" 265
Maththiampatti -	-	-	" 190	Padathasampatti -	-	-	" 261
Mattayampatti -	-	-	" 99	" -	-	-	" 336
Maveripatti -	-	-	" 144	Palayam -	-	-	" 125
Maveripatti -	-	-	" 166	" -	-	-	" 186
Melasangambadi -	-	-	" 196	Palayakotti -	-	-	" 244
Mallanur -	-	-	" 171	Palidiyour -	-	-	" 40
Mettupatti -	-	-	" 89	Pallathur -	-	-	" 305
Mettuthangal -	-	-	" 245	Pallipatti -	-	-	" 127
Mettuvalasi -	-	-	" 130	" -	-	-	" 22
Meyandapatti -	-	-	" 214	Panamarathupatti -	-	-	" 259
Mittapalli -	-	-	" 318	" -	-	-	" 96
Mobiripatti -	-	-	" 90	Papampadi -	-	-	" 35
Molayanur -	-	-	" 16	Papparapatti -	-	-	" 359
Morappur -	-	-	" 97	" -	-	-	" 258
Morasampatti -	-	-	" 58	Papunaikkanvalasai -	-	-	" 150
Mottur -	-	-	" 340	Papusettipatti -	-	-	" 242
Muchilikutta -	-	-	" 377	Papuredipatti -	-	-	" 10
Mukkanurpatti -	-	-	" 108	Papusettipatti -	-	-	" 64
Mukkaredipatti -	-	-	" 34	Parasanur -	-	-	" 348
Muttampatti -	-	-	" 363	Pariamunjavadi -	-	-	" 3
Mundarampatti -	-	-	" 293	Parayapatti -	-	-	" 41
Mungilpatti -	-	-	" 131	" -	-	-	" 139
Muringipatti -	-	-	" 273	Pasandi -	-	-	" 341
Murukkanthal -	-	-	" 218	Pattukunampatti -	-	-	" 5
Murungaleri -	-	-	" 217	Pavakul -	-	-	" 205
Nachinampatti -	-	-	" 75	Pennagarapatti -	-	-	" 137
" -	-	-	" 59	Periapannimadavu -	-	-	" 188
Nackalpatti -	-	-	" 239	Periathalapadi -	-	-	" 315
Nadupatti -	-	-	" 4	Perumaulkuppam -	-	-	" 267
" -	-	-	" 106	Perumanaickampatti -	-	-	" 241

Pethathsamuthiram	-	No. 48	Tandiappanur	-	-	No. 321
Pethlathumpatti (2 parts)	-	" 39	Thagarapatti	-	-	" 370
Petlithur	-	" 61	Thambal	-	-	" 201
Peyanur	-	" 374	Thamaleripatti	-	-	" 136
Pommathasampatti	-	" 298	Thamarakoliamp	-	-	" 140
Ponneri	-	" 181	Thandekuppam	-	-	" 91
Poyapatti	-	" 187	Thannipanthai	-	-	" 283
Puchampatti	-	" 275	Thasampatti	-	-	" 247
Pudur	-	" 82	Thasarahalli	-	-	" 110
"	-	" 290	Thasarihalli	-	-	" 13
"	-	" 381	Thatampatti	-	-	" 179
Pudupatti	-	" 31	Thathampatti	-	-	" 142
"	-	" 215	Thathamuru	-	-	" 52
Pudurpungani	-	" 219	Thathanur	-	-	" 213
Pudar	-	" 250	Theddampatti	-	-	" 73
Puliampatti	-	" 203	Thevarajapalayam	-	-	" 17
"	-	" 274	Thummankuttapatti	-	-	" 135
Puliahannur	-	" 310	Thinnehalli	-	-	" 54
Pullavedampadi	-	" 366	Thirthagirivalasi	-	-	" 307
Puvampatti	-	" 271	Thirththamali	-	-	" 195
Pungani	-	" 304	Tippampatti	-	-	" 220
Purukalpalli	-	" 256	"	-	-	" 285
Ramayanhalli	-	" 49	Thoppampatti	-	-	" 114
Ranganvalasi	-	" 385	Thuranampatti	-	-	" 141
Rasalampatti	-	" 101	Thurinjihalli	-	-	" 47
Reddipatti	-	" 111	Thurinjaipatti	-	-	" 329
"	-	" 286	Upparapatti (1st part)	-	-	" 373
Reddivalasi	-	" 343	Upparapatti (2 parts)	-	-	" 393
Rendathampatti	-	" 325	Uthengherry (Kasba)	-	-	" 280
Sakkalipatti	-	" 156	Vadagalur	-	-	" 371
Samakavanivalasei	-	" 317	Vadampatti	-	-	" 173
Samanatham	-	" 81	Vadugapatti	-	-	" 145
Santhapatti	-	" 57	Valaduppu	-	-	" 169
Savadiyour	-	" 349	Valampatti	-	-	" 224
Sellampatti	-	" 163	Vanakkampadi	-	-	" 60
Sellakaranpatti	-	" 333	Varunathirththam	-	-	" 88
Sengalpatti	-	" 234	Vathiyannur	-	-	" 277
Sennampatti	-	" 103	Vedakettamadum	-	-	" 200
Sennappanaickanur	-	" 287	Vedappatti	-	-	" 233
Senthirapuram	-	" 191	"	-	-	" 389
Senthirampatti	-	" 230	Vedarapatti	-	-	" 157
Settarapatti	-	" 94	Velampatti	-	-	" 92
Sikkampatti	-	" 62	"	-	-	" 128
Singarapatti	-	" 308	Vellalapatti	-	-	" 238
Singiripatti	-	" 222	Vencatapuram	-	-	" 300
Sinnakavundampatti	-	" 119	Vengidadampatti	-	-	" 279
Sinnakuppam	-	" 42	Vengiyampatti	-	-	" 177
Sinnakunathur	-	" 350	"	-	-	" 115
Sinnamanjavadi	-	" 2	Venkatasmuthiram	-	-	" 15
Sinnapanninaduvu	-	" 189	Vennampatti	-	-	" 121
Sinnathagarapatti	-	" 369	Veppalampatti	-	-	" 212
Sinnathalapadi	-	" 312	Veppampatti	-	-	" 182
Sorakapatti	-	" 227	Veppanatham	-	-	" 162
"	-	" 266	Veppasinnampatti	-	-	" 113
Soriampatti	-	" 143	Vettarapatti	-	-	" 98
Sulakarri	-	" 249	Viranakuppam	-	-	" 226
Suvacampatti	-	" 281	Viranur	-	-	" 21
Sundangipatti	-	" 93	Virappanaikkampatti	-	-	" 185
Surapatti	-	" 56	Valenthakuttapatti	-	-	" 7

Yegur -	-	-	No. 380	Yellappudayampatti -	-	No. 84
Yelachur -	-	-	„ 361	Yerumiyampatti -	-	„ 36
Yelavadi -	-	-	„ 124	Yettipatti -	-	„ 120

## II.—ESTATES IN THE SHEVAROY HILLS.

1. NAGALLOOR, MR. MILLER'S COFFEE ESTATE. *Scale, 16 inches to 1 mile ; size, 22 inches by 16.*
2. MR. RICHARDSON'S ESTATE. *Scale, 3½ chains to 1 inch ; size, 22 inches by 16.*

## 16. SOUTH ARCOT DISTRICT.

Including eight Taluks.

## Map of the TRACT of COUNTRY SOUTH of CUDDALORE.

Reduced from the Surveys executed by the officers of the Military Institution between the years 1805 and 1814. Copied in the S. G. O. from the original reduction. Calcutta, 26th April 1846. *Scale, 4 miles to 1 inch ; size, 21 inches by 25.* MS.

## Plan of the SOUTH ENVIRONS of CUDDALORE, with the

Operations of the British Army under the command of Major-General James Stuart, in June 1783. Surveyed by J. Wickens, Sub-Engineer, drawn by M. Armstrong. *Size, 34 inches by 23.* Also a copy of later date. MS.

## MADRAS REVENUE SURVEY OF SOUTH ARCOT DISTRICT.

## I.—DISTRICT MAP.

Map of the SOUTH ARCOT DISTRICT, showing the new boundaries of Taluqs. Revenue Survey Office, Chepauk, 1868. *Scale, 2 miles to 1 inch ; size, 64 inches by 52.*

## II.—TALUK MAPS.

Map of the CHIDAMBARAM (Chellumbrum) TALUK, South Arcot District, reduced from the Maps of the Revenue Survey executed in 1854, 1855, and 1856. Under the superintendence of Capt. Priestley, 74th Highlanders. *Scale, 1 mile to 1 inch ; on 6 sheets ; size, 72 inches by 72.*

## III.—HYDROGRAPHIC MAP.

## Hydrographic Map of the CHELLUMBRUM and MANARGOODY.

TALOOKS in the South Arcot District. Reduced from the Revenue Survey Map. 1859. Partly coloured to distinguish the three grades of Irrigation. *Scale, 1 mile to 1 inch ; size, 26 inches by 35.*

The names of the villages are given in a list, referring to the Map by numbers.

## IV.—VILLAGE MAPS, ARRANGED IN TALUKS.

1. *Villages in Chidambaram Taluk.*

Achapuram -	-	-	No. 310	Adur -	-	-	No. 121
Adagaraivattam -	-	-	„ 292	Agaraputtur -	-	-	„ 351
Adanur -	-	-	„ 304	Agaranallur -	-	-	„ 92
Adivaraganallur -	-	-	„ 401	Agaram (2 parts)	-	-	„ 243
Adivaragaperumal	Tottam (3	-	-	„	-	-	„ 244
parts)	-	-	„ 402	Agara Rayanallur	-	-	„ 257
„	„	-	„ 405	„	-	-	„ 283
„	„	-	„ 408	Agarasolattiram	-	-	„ 369



Pethathsamuthiram	No. 48	Tandiappanur	No. 321
Peththathumpatti (2 parts)	" 39	Thagarapatti	" 370
Peththur	" 61	Thambal	" 201
Peyanur	" 374	Thamaleripatti	" 136
Pommathasampatti	" 298	Thamarakoliamp	" 140
Ponneri	" 181	Thandekuppam	" 91
Poyapatti	" 187	Thannipanthai	" 283
Puchampatti	" 275	Thasampatti	" 247
Pudur	" 82	Thasarahalli	" 110
"	" 290	Thasarihalli	" 13
"	" 381	Thatampatti	" 179
Pudupatti	" 31	Thathampatti	" 142
"	" 215	Thathamura	" 52
Pudurpungani	" 219	Thathanur	" 213
Pudar	" 250	Theddampatti	" 73
Puliampatti	" 203	Thevarajapalayam	" 17
"	" 274	Thummankuttapatti	" 135
Puliahannur	" 310	Thinnehalli	" 54
Pullavedampadi	" 366	Thirthagirivalasi	" 307
Puvampatti	" 271	Thirththamali	" 195
Pungani	" 304	Tippampatti	" 220
Purukalpalli	" 256	"	" 285
Ramayanhalli	" 49	Thoppampatti	" 114
Ranganvalasi	" 385	Thuranampatti	" 141
Rasalampatti	" 101	Thurinjihalli	" 47
Reddipatti	" 111	Thurinjaiapatti	" 329
"	" 286	Upparapatti (1st part)	" 373
Reddivalasi	" 343	Upparapatti (2 parts)	" 393
Rendathampatti	" 325	Uthengherry (Kasba)	" 280
Sakkalipatti	" 156	Vadagalur	" 371
Samakavanivalasei	" 317	Vadampatti	" 173
Samanatham	" 81	Vadugapatti	" 145
Santhapatti	" 57	Valaduppu	" 169
Savadiyour	" 349	Valampatti	" 224
Sellampatti	" 163	Vanakkampadi	" 160
Sellakaranpatti	" 333	Varunathirththam	" 88
Sengalpatti	" 234	Vathiyannur	" 277
Sennampatti	" 103	Vedakettamadum	" 200
Sennappanaickanur	" 287	Vedappatti	" 233
Senthirapuram	" 191	"	" 389
Senthirampatti	" 230	Vedarapatti	" 157
Settarapatti	" 94	Velampatti	" 92
Sikkampatti	" 62	"	" 128
Singarapetti	" 308	Vellalapatti	" 238
Singiripatti	" 222	Vencatapuram	" 300
Sinnakavundampatti	" 119	Vengidadasmpatti	" 279
Sinnakuppam	" 42	Vengiyampatti	" 177
Sinnakunnathur	" 350	"	" 115
Sinnamanjavadi	" 2	Venkatasamuthiram	" 15
Sinnapannimaduvu	" 189	Vennampatti	" 121
Sinnathagarapatti	" 369	Veppalampatti	" 212
Sinnathalapadi	" 312	Veppampatti	" 182
Sorakapatti	" 227	Veppanatham	" 162
"	" 266	Veppasinnampatti	" 113
Soriampatti	" 143	Vettarapatti	" 98
Sulakarri	" 249	Viranakuppam	" 226
Suvacampani	" 281	Viranur	" 21
Sundangipatti	" 93	Virappanaikkampatti	" 185
Surapatti	" 56	Yalenthakuttapatti	" 7

Yegur - - -	No. 380	Yellappudayampatti - -	No. 84
Yelachur - -	„ 361	Yerumiyampatti - -	„ 36
Yelavadi - -	„ 124	Yettipatti - -	„ 120

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Aehapuram - -	No. 310	Adur - - -	No. 121
Adagaraivattam - -	„ 292	Agaraputtur - -	„ 351
Adanur - - -	„ 304	Agaranallur - -	„ 92
Adivaraganallur - -	„ 401	Agaram (2 parts) - -	„ 243
Adivaragaperumal Tottam (3 parts) - -	„ 402	„ „ - -	„ 244
„ - - -	„ 405	Agara Rayanallur - -	„ 257
„ - - -	„ 408	„ „ - -	„ 283
		Agarasolattiram - -	„ 369

Aipettai -	-	No. 175	Karuperei -	-	No. 204
Aiyanur Akkaramangalam -	-	134	Karunakaranallur -	-	348
Alankattan -	-	202	Kattur -	-	34
Alinjimangalam -	-	237	" -	-	209
Allur -	-	272	Kavarappattu -	-	28
Alkondanattam -	-	188	Kavalkudi -	-	384
Alvandhankotagam -	-	224	Kilanikkuli -	-	346
Ambikapuram -	-	30	Kil Adamankudi -	-	198
Ammattankuttigai -	-	222	Kil Chokkanadhanpettai -	-	46
Anjanganar -	-	242	Kil Kudiparavai -	-	85
Anundakudi -	-	422	Kil Kundalappadi -	-	33
Arirajaupram (2 parts) -	-	133	Kil Kadambur -	-	322
" -	-	176	Kil Mungiladi -	-	45
Arumulidevan -	-	317	Kilnattam -	-	122
Aruntanghi -	-	349	Kil Perambe -	-	6
Attimuttu -	-	89	Kil Puliamattu -	-	305
Attipattu -	-	98	Kil Pukkatturai -	-	320
Attur -	-	421	Kil Radamur -	-	235
Ayenkudi -	-	321	Kiliyanur -	-	177
Chettikattalai -	-	189	Kil Anuvampattu and Karaipadi -	-	17
Chidambaranadhanpettai -	-	21	Kirapalaiyam -	-	76
Chidambaranadhapuram -	-	42	Kizhnedumbur -	-	138
Chidambara Arasur (2 parts) -	-	146	Kodandavilagamvadapadi -	-	378
" -	-	153	Kodandavilagamtenpadi -	-	77
Chidambaram -	-	53	Kodippalam -	-	19
Chinna Edeyar -	-	230	Koduvakam -	-	173
Chitteri -	-	251	Kollamalai Melpadi and Kilpadi -	-	253
Codialam -	-	116	Komaramangalam -	-	23
Coduvakani -	-	133	Kondairuppu -	-	312
Cudirazhi -	-	115	Kondasamnttiram -	-	364
Darumattottam -	-	407	Kopadi -	-	111
Devankudi -	-	170	Kosavankotagam -	-	295
Devanputtur -	-	343	Kottavassal -	-	393
Edaiyur -	-	215	" -	-	162
Edayanpalcheri -	-	131	Kottankudi -	-	256
Elanangur -	-	90	" -	-	38
Elangambur -	-	145	Kovilpattu -	-	228
Ellapillai kotagam -	-	325	Kovilampundi -	-	18
Elleri -	-	217	Kuchur -	-	301
Ennanagaram -	-	79	Kudalur -	-	99
Erukankattuppadugai -	-	95	Kudalaiyattur -	-	388
Esanai -	-	117	Kulappadi Vadapadi -	-	277
Essanur -	-	419	" -	-	263
Govindhanallur -	-	341	Kulappadi Tenpadi -	-	262
Govindarajanpettai -	-	352	Kumaragudi -	-	379
Ichampundi -	-	316	Kunamangalam -	-	416
Inactpuram (2 parts) -	-	65	Kunavassal -	-	303
Jeyamkondapattanam -	-	31	Kuppanpuvilandur -	-	326
Kallipadi -	-	411	Kuppankuli -	-	231
Kaliyamalai -	-	279	" -	-	245
Kandamangalam -	-	327	Kuringikkudi -	-	372
Kandakumaran -	-	280	Kuruvadi -	-	148
Kandamangalam -	-	40	Kurunkudi -	-	291
Kannankudi -	-	82	Kuttankovil -	-	66
Kanakkarvattu -	-	8	Lakshumanantoppu -	-	75
Kanjankollai -	-	313	Lakshumigudi -	-	190
Kanattamullur -	-	206	Lalpettai -	-	252
Kankayankotagam -	-	223	Lalpuram -	-	49
Karupup -	-	96	Madarehudamani -	-	201

Madapuram (2 parts)	-	-	No. 149	Nangalur	-	-	-	No. 101
"	"	-	" 151	Narattankudi	-	-	-	" 182
Madapnram	-	-	" 88	Narikalveli	-	-	-	" 345
"	-	-	" 185	Narumankndi	-	-	-	" 334
"	-	-	" 233	Nattamalai	-	-	-	" 284
"	-	-	" 344	Nattarmangalam	-	-	-	" 288
Maduvankarai	-	-	" 15	Nankudi	-	-	-	" 381
Madagadi	-	-	" 293	Neivassal	-	-	-	" 192
Madakalirmanikkam	-	-	" 418	Nedunjeri	-	-	-	" 186
Madattittu	-	-	" 81	"	-	-	-	" 389
Malavarayanallur	-	-	" 380	Nerkunam	-	-	-	" 338
Manargudi Cultivation	-	-	" 225	Nunjai Mahattuvalkai	-	-	-	" 14
Manargudi Nattam	-	-	" 246	Oddarpaleyam	-	-	-	" 107
Manargudi Arasur (3 parts)	-	-	" 147	Odakanallur	-	-	-	" 265
"	"	"	" 150	Oplandimedu	-	-	-	" 139
"	"	"	" 154	Orattur	-	-	-	" 178
Manakkudaiyanirupu	-	-	" 168	Palayanallur	-	-	-	" 93
Maniyadur	-	-	" 255	Paluttankarai	-	-	-	" 47
Manalur	-	-	" 184	Paluttankudi	-	-	-	" 172
Manarkulakkndi	-	-	" 221	Palanjanallur	-	-	-	" 547
Manampadi	-	-	" 1	Pannaveli	-	-	-	" 370
Manarpuvilandur	-	-	" 324	Pannapattu	-	-	-	" 135
Manarsattiramanai	-	-	" 234	Paramesvaranallur	-	-	-	" 71
Manarmelvali	-	-	" 247	Paravilagam	-	-	-	" 137
Marudhantanellur	-	-	" 132	Pavalakkadai	-	-	-	" 62
Maramreddikotagam	-	-	" 297	Perampattu	-	-	-	" 58
Mattam	-	-	" 239	Periakotagam	-	-	-	" 298
Mazhavada	-	-	" 331	Perungalur	-	-	-	" 174
Mel Anuvampattu	-	-	" 43	Perunkalur	-	-	-	" 165
Mel Adamanikudi	-	-	" 199	Perur	-	-	-	" 385
Mel Chokanadhanpettai	-	-	" 48	Pettai	-	-	-	" 36
Meleri	-	-	" 238	Pichchavaram	-	-	-	" 4
Melkundalapadi	-	-	" 59	Pillaiyantangal	-	-	-	" 212
Mel Kadambur	-	-	" 328	Ponnanganimuttu	-	-	-	" 87
Mel Mnggiladi	-	-	" 74	Puchittankndi	-	-	-	" 308
Mel Nedumbur	-	-	" 161	Pudangudi	-	-	-	" 273
Mel Parittikndi	-	-	" 144	Pudumadapattu	-	-	-	" 69
Mel Pukkatturai	-	-	" 332	Puliankudi	-	-	-	" 200
Mel Radamur	-	-	" 236	Pulamedu	-	-	-	" 103
Mel Vanniur	-	-	" 78	Puliankudi	-	-	-	" 121
Mel Vaninur	-	-	" 159	"	-	-	-	" 412
Midikkudi	-	-	" 20	Puliampattu Melpadi	-	-	-	" 307
Movnr	-	-	" 240	Puliampattu Kilpadi	-	-	-	" 306
Mndalkudian	-	-	" 300	Pulivaikandan	-	-	-	" 336
Mndikandanallur	-	-	" 383	Pundi	-	-	-	" 413
Mndukankotagam	-	-	" 294	Punkudi	-	-	-	" 120
Mullankudi	-	-	" 108	Puntottam	-	-	-	" 171
Mnrugankotagam	-	-	" 296	Punjai Mahattuvalkai	-	-	-	" 16
Mnttalur	-	-	" 44	Punavassal	-	-	-	" 167
Nachiarpettai	-	-	" 391	Puttur	-	-	-	" 410
Nadrajapnram	-	-	" 27	Puttavardi	-	-	-	" 335
Nadalppadugai	-	-	" 32	Puttur	-	-	-	" 187
Nadutittu	-	-	" 197	"	-	-	-	" 286
Nagaravandankudi	-	-	" 22	Radasamuttiram	-	-	-	" 232
Nagarappadi	-	-	" 398	Radanallur	-	-	-	" 163
Nagaramalai	-	-	" 271	Radavilagam	-	-	-	" 11
Nalamputtur Mahajanam, Mel-	-	-	-	Reddiur	-	-	-	" 319
madam, and Kudivali	-	-	" 106	Rndrasolai	-	-	-	" 250
Nandimangalam	-	-	" 105	Rayanallur	-	-	-	" 282

Rajendrasolagam -	-	No. 241	Tiruvassaladi (2 parts) -	-	No. 7
Ramankotagam -	-	" 226	" " -	-	" 9
Sakankudi -	-	" 127	Tiruvarkulam -	-	" 37
Saliyantoppu -	-	" 64	Tondamanattam -	-	" 207
Sarakvan -	-	" 129	Torankuppam -	-	" 403
Sarvarajanpettai -	-	" 216	Torapadi -	-	" 118
Sattivilagam -	-	" 270	Torappu -	-	" 339
Sattamangalam -	-	" 417	Torukkuli -	-	" 193
Sattavattam -	-	" 390	Tulaiyadakandan -	-	" 374
Savundariasolapuram -	-	" 362	Tunisiramedu -	-	" 86
Sellacheri -	-	" 404	Udaiyur -	-	" 208
Selvili -	-	" 395	Udyar Melvali -	-	" 248
Semburayaputtur -	-	" 211	Udyar Sattiramanai -	-	" 233
Sengalanirpallam -	-	" 213	Udyarkudi -	-	" 227
Sengalmodu -	-	" 119	Umampuliyur -	-	" 302
Senninattam -	-	" 350	Uttamaeholamangalam -	-	" 26
Sendan -	-	" 7	Uttamaeholagan -	-	" 83
Seriur -	-	" 183	" " -	-	" 258
Settitankal -	-	" 323	Vadaku Tiruvarasalur -	-	" 329
Settimuttu -	-	" 67	Vadaku Viratanganallur -	-	" 261
Sevakam -	-	" 164	Vadaku Kulakkudi -	-	" 220
Singarattottataragu -	-	" 50	Vadaku Mankudi -	-	" 94
Sirugalur -	-	" 166	Vadapakam -	-	" 267
Sirukattur -	-	" 311	Vagur -	-	" 180
Sittalapadi -	-	" 24	Vakaramari -	-	" 409
Sivakamisundaripuram -	-	" 72	" " -	-	" 100
Sivapuri Thenpadi and Vada-	-	" 57	Valasakkadu -	-	" 371
padi -	-	" 57	Valattur Tiruppaniyapuram -	-	" 160
Sivayam -	-	" "	Vallampadugai -	-	" 60
Solakur -	-	" 194	Vandakulam -	-	" 290
Solattiram -	-	" 68	Vanadirayanpettey -	-	" 158
Suravelundur -	-	" 157	Varahagudi -	-	" 358
Suttamalai -	-	" 287	" " -	-	" 360
Tadunpettai -	-	" 125	" " -	-	" 363
Tadukuttagai -	-	" 210	Varakidu Vilagam -	-	" 73
Tandavarayaeholanpettai -	-	" —	Varagur -	-	" 33
Tandesvaranallur -	-	" 70	" " -	-	" 35
" " -	-	" 376	Vassaputtur -	-	" 25
Tarisur -	-	" 181	Vattattur -	-	" 375
Tatampattu -	-	" 394	Vavaltoppu -	-	" 214
Tavartampattu -	-	" 104	Vayalur -	-	" 77
Tenmur -	-	" 113	" " -	-	" 309
Terku Tiruvarasalur -	-	" 330	" " -	-	" 91
Terkuviratanganallur -	-	" 260	Valappadi -	-	" 80
Terkumankudi -	-	" 97	Velliakudi -	-	" 268
Tillainayagapuram -	-	" 41	Velampundi -	-	" 340
Tillainayaganallur -	-	" 54	" " -	-	" 540
Tillaiyadangan -	-	" 13	Velakudi -	-	" 61
Timmapuram -	-	" 126	Vendalur -	-	" 266
Timmasamudram -	-	" 367	Venkatammapuram -	-	" 150
Tiruchiannapuram -	-	" 254	Venkatasamuttiram -	-	" 400
Tirunaraiyur -	-	" 196	Venneur -	-	" 156
Tirukkalangeri -	-	" 51	Vetchiur -	-	" 155
Tirukkalippalai (2 parts) -	-	" 5	Veyilur -	-	" 264
" " -	-	" 29	" " -	-	" 275
Tiruppaninattam -	-	" 124	Vilagam -	-	" 169
Tiruppaniyapuram -	-	" 219	Viratchikuppam -	-	" 318
Tirupadivilagam -	-	" 52	Viranattam -	-	" 195
Tirumulastanam -	-	" 229	Viranallur -	-	" 289

Viranadhapuram	-	-	No. 342	Yelamangalam	-	-	-	No. 397
Virasolapuram	-	-	„ 203	Yettiapattu	-	-	-	„ 249
Virasolagan	-	-	„ 84					

## 17. SOUTH CANARA DISTRICT.

MAP of the PROVINCE of CANARA, the north division (southern part) laid down from actual survey executed in April and May 1806. Surveyed by Benjamin Swain Ward. This survey was executed in detail on the continuation of the series of Primary Stations carried on from a Base measured in October 1805, under the immediate direction of C. Mackenzie, Supt. of the Mysore Survey. *Scale, 1 mile to 1 inch; size, 42 inches by 53.* MS.

LACCADIVE ISLANDS, included in South Canara District in 1875. *See* pages 554, 592, 597.

## 18. TANJORE DISTRICT.\*

Including nine Taluks, not yet reached by the Revenue Survey.

Map of the RIVERS and CHANNELS of SUPPLY in the PROVINCE of TANJORE. 1856. *Scale, 2,500 yards to 1 inch; size, 75 inches by 66.*

Plan of NEGAPATAM, taken by the fleet and army under the command of Vice-Admiral Sir Edward Hughes, K.B., and Major-General Sir Hector Munro, K.B., the 12th November 1872. *Scale, 200 yards to 1 inch; size, 16½ by 20½ inches.* MS.

Map of the NEGAPATAM DISTRICTS and of part of those dependent on Nagore, laid down chiefly from surveys by Mr. G. I. Hoissard in 1791. By J. G. Inspector of Revenue Surveys, Madras, 1799. *Scale, 2 inches to 1 mile; size, 26 inches by 36.* MS.

NEGAPATAM HARBOUR. Survey Sheet. On tracing cloth. Sup. Engineers office. Tanjore, 12th October 1864. *Scale, 330 feet to 1 inch, or 16 inches to 1 mile; size, 80 inches by 39.* MS.

NEGAPATAM HARBOUR. Section Sheet. On tracing cloth. *Size, 37 inches by 33.* MS.

Plan, Elevation, and Section of the PROPOSED EXTENSION for 40 yards of the NEGAPATAM JETTY on the North side of the Harbour. Sept. 1864. *Scale, 10 feet to 1 inch; on tracing cloth; size, 23 inches by 23.* MS.

## 19. TINNEVELLI DISTRICT.

Including nine Taluks.

Geographical and Statistical Memoir of TIRUNELVELI\* and its ZEMINDARIES, by Thomas Turnbull, Assist. Surveyor. Situation and extent of the Province. Ancient boundaries of the Pandian Dynasty. Sassanums and Inscriptions. Language. Temples. Deities. Present State. Boundaries. Lands. Climate. Population. Talooks. [NOTE.—“Left unfinished by the death of Mr. Turnbull.”] In 1 vol. folio, half bound. MS.

\* For the old surveys of Tanjore and Tinnevelly Districts, *see* General Maps of the Southern Districts, pages 319, 320.

DEHAZADA and POPULATION TABLES of the different TALOOKS in the Province (District) of Tirunelvelie. In 1 vol., large folio, half-bound. MS.

Statistical Results and Population Tables of the ELEVEN TALOOKS and the ZEMINDARIES in the PROVINCE of TIRUNELVELLI. 1821, '22, '23.

A General Table of Statistical Researches or DEHAZADA and CANASHOORMAREE of the PROVINCE of TIRUNELVELLI for the cycle years Vissu, Chittrabahnnoo, and Soobahnnoo, or A.D. 1821, '22, '23. By Thomas Turnbull, Assistant Surveyor. Bound together in paper cover, large folio. MS.

Meteorological Journal from February 1821 to December 1822. Folio, in purple cover.

MEMOIR of TINNEVELLY. General Sketch of the History of the Southern Divisions of the Peninsula from the commencement of the Calleeyoogum or Present Age. Collected at Pawur, in the Tenkasi tallook in Tirunelveli, from the traditionary information of Auhobala Sastry and Yaman Aeharii. 1801. With memoirs of Melloor Naud and Terumboor. Folio, 72 pages, stiff cover. MS.

A brief Account of the YETEILEITTU VADUM secretly observed by some of the fourth and lower classes of the inhabitants and peasants residing in Terunelveli District and its vicinity. Folio, 9 pages. MS.

History of TERUCHENDUR in TERUNALVELI, the Pura-nam or Tradition with the Bramins of the temple dedicated to Subbramuniar. Folio, 16 pages. MS.

Plan of the Western Part of the CALCAUD TALOOK as surveyed by Thomas Hill, Sub-assistant Surveyor. Nov. 1809. *Scale, 1000 yards to 1 inch; size, 33 inches by 27.* MS.

Plan of Part of TINNEVELLY DISTRICT as surveyed by Thomas Hill, Assistant Rev. Surveyor. 1813. *Scale, 1000 yards to 1 inch; size, 39 inches by 26.* MS.

Plan of the South-west Part of the CALCAUD TALOOK as surveyed by Thomas Hill, Sub-assistant Surveyor. 1810. *Scale, 1000 yards to 1 inch; size, 37 inches by 41.* MS.

Plan of the VEDOOGRAUMUM TALOOK. 1808. By Thomas Hill. *Scale, 1000 yards to 1 inch; size, 30 inches by 34.* MS.

Register of the Villages of the NELLUMBALUM CUSBAH TALOOK. Bilingual. Folio, 8 pages. MS.

## MADRAS REVENUE SURVEY OF TINNEVELLI DISTRICT.

### I.—VILLAGE MAPS, arranged in Taluks.

#### 1. Villages in Ambassamudram Taluk.

Adassani	-	-	No. 86	Arasankulam	-	-	No. 39
Adeiyakarungulam	-	-	" 96	Arikesevanallur Paleiyagramam	-	-	" 59
Alangulam	-	-	" 80	Ariyanayakapuram (2 parts)	-	-	" 40
Ambur (3 parts)	-	-	" 99	Attalanallur	-	-	" 61
Anandasamudram	-	-	" 35	Atiankulam	-	-	" 20
Appakudi (3 parts)	-	-	" 74	Bramanadesam (3 parts)	-	-	" 84

Darmapuramatam	-	-	No. 102	Pattamadeikovilpattu (7 parts)	-	No. 22
Desamanikam	-	-	" 9	Perancherry	-	" 4
Ekambrapuram	-	-	" 95	Perappankulam	-	" 50
Giriyammalpuram	-	-	" 58	Perankulam	-	" 65
Gopalsamudram	-	-	" 1	Pilleikkulam	-	" 26
Govindapperi	-	-	" 103	Pouamalaikkadu	-	" 25
Huppakurichi	-	-	" 73	Pudukkudi	-	" 63
Isaniyamattam (2 parts)	-	-	" 94	Pungudeiyarkulam	-	" 27
Kaliyankulam	-	-	" 51	Rangasamudram (3 parts)	-	" 72
Kappalipparai (2 parts)	-	-	" 52	Ravanasamudram (2 parts)	-	" 101
Karappakulam	-	-	" 15	Sattuppattu	-	" 71
Karisalapatti	-	-	" 23	Sengappadu	-	" 12
Karisuludmangalam	-	-	" 29	Sevali (2 parts)	-	" 6
Kasidharmam	-	-	" 76	Senkulam	-	" 75
Kesavasamudram	-	-	" 28	Sidaparppanallur	-	" 43
Kilaseval	-	-	" 7	Singambovu	-	" 53
Kodaganallur (2 parts)	-	-	" 31	Singampatti	-	" 91
Kollankulam	-	-	" 47	Sirukankurichi (2 parts)	-	" 41
Kolumadi	-	-	" 10	Sokkalingapuram	-	" 5
Karankani	-	-	" 68	Tendiripuvanam	-	" 56
Kuniyur	-	-	" 38	Tiruppudeimarudur (2 parts)	-	" 60
Madattur (2 parts)	-	-	" 82	Tiruvaliswaram	-	" 85
Maleiyangulam (2 parts)	-	-	" 66	Triuttur	-	" 33
Manamangalam	-	-	" 70	Timmarajasamudram	-	" 90
Manarkovil	-	-	" 98	Udaiyamar kandapuram	-	" 57
Manaparanallur	-	-	" 55	Udeiyambulli	-	" 48
Marudamputtur	-	-	" 78	Ugandappatti	-	" 44
Marandei (2 parts)	-	-	" 46	Ummiyamalpuram	-	" 34
Melakkullur	-	-	" 32	Uppurani	-	" 17
Naiyarkulam	-	-	" 8	Uttandamaiyyanpalli	-	" 11
Nandupidittankulam	-	-	" 3	Vadakku Edaiyankulam	-	" 21
Odeimerissan	-	-	" 49	Vaiyalanambeikulam	-	" 16
Olagankulam	-	-	" 19	Vaniyankulam	-	" 13
Omanallur	-	-	" 2	Veirankulam	-	" 92
Pallakkal	-	-	" 87	Vellanguli	-	" 69
Palanur	-	-	" 30	Venkattarangapuram	-	" 18
Palavsadi	-	-	" 38	Vittirundankulam	-	" 64
Pappankudi (2 parts)	-	-	" 74	Virasamudram	-	" 106
Pattur	-	-	" 45			

## 2. Villages in Tencasi Taluk.

Ainarkolam	-	-	No. 22	Melakaram	-	-	No. 34
Aiyamperumatevanpalli	-	-	" 48	Naduveyyal	-	-	" 5
Andippatti	-	-	" 19	Nagalkadu	-	-	" 42
Avadeiyanur	-	-	" 24	Nagogirayerpalli	-	-	" 50
Dalavoimudalliar Pulli	-	-	" 17	Panapulli	-	-	" 49
Ideikal	-	-	" 3	Pattakurissi	-	-	" 10
Kadeiyanallur (2 parts)	-	-	" 2	Peranur	-	-	" 43
Kasedurmum	-	-	" 4	Periya Pillei Valasei	-	-	" 45
Kasimejorpuram	-	-	" 41	Puliyur (2 parts)	-	-	" 9
Kattuvettarangulam (2 parts)	-	-	" 28	Sennattapudukulam	-	-	" 27
Kistnapuram (2 parts)	-	-	" 1	Settippattu	-	-	" 36
Kodikkurissi	-	-	" 6	Sundrapandiam (2 parts)	-	-	" 11
Kumarakovil (3 parts)	-	-	" 40	Surandei (3 parts)	-	-	" 13
Kunaramanallur (3 parts)	-	-	" 8	Tattankolam	-	-	" 12
Kutungavanam	-	-	" 14	Terkusattaneri	-	-	" 29
Kuttukkalvalasei	-	-	" 44	Tirusittambalam	-	-	" 15
Maddalambarei	-	-	" 30	Uttumalaipuli	-	-	" 23
Mayamankurissi (2 parts)	-	-	" 20	Vadakkusattaneri	-	-	" 35



3. *Villages in Tenkarai Taluk.*

Achamapadu - - -	No. 63	Pallakinar - - -	No. 151
Adiel (2 parts) - -	- " -	Pandarapuram (2 parts) - -	" 131
Aiyamperumalkuduruppu - -	" 148	Panaikulam - - -	" 107
Alankinar - - -	" 130	Paravakurichi (2 parts) - -	" 67
Amarapuram - - -	" 151	Parpanamangalam (2 parts) - -	" 28
Ambalasseri - - -	" -	Periyakāndavidali - - -	" 153
Ammanpuram - - -	" 58	Perur - - -	" 24
Arasakolam - - -	" 95	Pichengudiyiruppu - - -	" -
Ariyakurichi - - -	" 153	Pilliyāneri - - -	" -
Ayanudaipurappu - - -	" 175	Puduramanallur - - -	" 166
Idayalankolam (2 parts) - -	" -	Pudukudishanpattu - - -	" 167
Puppakolam - - -	" 156	Punakulam (4 parts) - - -	" 80
Iruvappanpuram (3 parts) - -	" 4	Pudukudi - - -	" 61
Kachinavalai - - -	" 72	Rendusollanallur - - -	" 154
Kadambankulam - - -	" -	Sastavinallur (2 parts) - -	" 183
Kalankudiiruppu - - -	" 144	Sattankulan - - -	" 133
Kanavaneri - - -	" -	Serakkulam (3 parts) - - -	" -
Kannikurichi - - -	" 141	Settimallanpatti - - -	" 16
Karcisseri (2 parts) - -	" 89	Settipattu - - -	" -
Karungadu - - -	" 170	Selvapuram - - -	" -
Karungulam - - -	" 86	Sevalai - - -	" 39
Katachapuram - - -	" -	Sikkachi - - -	" 145
Kattarimangalam - - -	" -	Sinnakulam - - -	" -
Kayalpattanamchillaraipulli - -	" 53	Strivenkatesvarapuram (2 parts) - -	" -
Kilachiriyandur - - -	" 37	Strikistnaperi - - -	" 122
Kombankulam - - -	" 125	Striparankusanallur - - -	" 26
Kuduvaikinar - - -	" 150	Strivaikuntam - - -	" 27
Kulasegaranpattanam (2 parts) -	" 147	Sundankottai - - -	" 173
Kummattikottai (2 parts) - -	" 176	Tachanvilai - - -	" -
Kumarapuram - - -	" 5	Tadankolam - - -	" 33
Madavakurichi - - -	" 169	Talai - - -	" 178
Manappadu - - -	" -	Tanduvankadu - - -	" 168
Marudurkaraisanpattu - - -	" 140	Tangaikulam - - -	" -
Mel Tangai - - -	" 155	Temangulam - - -	" -
Melasiriyandur - - -	" 90	Tenkarai - - -	" 81
Mirangulam - - -	" -	Tirukaluryadamalpulli - - -	" 74
Mudalur - - -	" 162	Tirunavirudayapuram - - -	" 78
Mudittanandal (2 parts) - -	" 14	Toppukolam - - -	" -
Mulakarai - - -	" -	Udiyaneri - - -	" 100
Mulakkarai (2 parts) - - -	" 32	Vadamalaisamudrampannaipattu - -	" 56
Mulapuli - - -	" 62	Vagaikulam - - -	" 13
Naduvakurichi (2 parts) - -	" 182	Vaganeri - - -	" 141
Nainapuram - - -	" 19	Valasaikinar - - -	" 119
Nallur - - -	" 54	Vallanadu (2 parts) - - -	" 157
Nalurnavadi (2 parts) - - -	" -	Vallakolam - - -	" 40
Nangamoli - - -	" 138	Varandivayalshanpattu - - -	" 48
Nattupuramperumpattu (2 parts) -	" 139	Vasavappaneri - - -	" -
Nattuvakai - - -	" -	Vattiyarkudi Iruppu - - -	" 143
Nedunkulam - - -	" 124	Vattakavalai - - -	" 160
Pacheri - - -	" 171	Veppankinar - - -	" 165
Padugaipattu (2 parts) - -	" 172	Viramartandanallur (3 parts) - -	" 132
Pallakurichi - - -	" 163	Virakolam - - -	" 159
Palankulam - - -	" -	Yeluvaramuki - - -	" 116

4. *Villages in Tinneveli Taluk.*

Abishekapatti - - -	No. 111	Munnirpallam (2 parts) - -	No. 84
Agram - - -	7	Murugankurichi (2 parts) - -	49
Aiyandaruttu (2 parts) - -	125	Nadukari Udayarkulam, &c.	—
Aiyankarisakulam - - -	120	(Kattuguthagai) - - -	—
Alaganeri (Kattuguthagai) - -	74	Naduvakurichi - - -	35
Alagiyapandiyapuram - - -	129	Nanjankulam (Kattuguthagai) - -	—
Alankulam - - -	72	Naranammalpuram - - -	71
Alikudi (Kattuguthagai) - -	—	Narivuttu - - -	110
Anantakristnapuram - - -	43	Nedunkulam - - -	107
Anuparpatti - - -	126	Nochikulam - - -	19
Arampani - - -	10	Odaiyarkulam - - -	37
Aravankulam Paliyaghamam - -	70	Paduvalamperi - - -	27
Arayankulam (Kattuguthagai) - -	—	Palamadai - - -	34
Avanaperi - - -	39	Palaiyankotta (2 parts) - -	26
Avaiyarkulam - - -	100	Pambankulam - - -	108
Ayanpudukkolam - - -	135	Panaiyankulam - - -	45
Dikshasamuddiram - - -	67	Pannitichankulam (Kattugutha-	—
Elanthakulam (Kattuguthagai) - -	—	gai) - - -	—
Ettankulam - - -	131	Paraikulam - - -	18
Kalakkudi - - -	132	Parappakkulam, &c. - - -	17
Kaliyugarmanallur - - -	5	Pappankulam - - -	29
Kalkurichi - - -	33	Perankulam - - -	76
Kammalankulam (2 parts) - -	109	Piranseri (2 parts) - - -	121
Kandiyapperi - - -	106	Puttaneri - - -	23
Kangiyankulam - - -	113	Rajagopalapuram - - -	50
Karadikulam - - -	103	Rettiyapatti (Kattuguthagai) - -	—
Karairuppu (Kattuguthagai) - -	—	Sadaiyaneri Melvomanullur	—
Karunkadu - - -	88	Majra - - -	86
Karunkulam - - -	83	Saidunganallur - - -	12
Kaaprpanthorai - - -	82	Sambankulam - - -	75
Kattalaindaiyaneri (Kattugutha-	—	Samugariyyenkattalai (Inam) - -	—
gai) - - -	—	Sapparai Rajavallipuram - -	43
Kattarankulam - - -	127	Sattirampudukulam - - -	73
Kattuguthagai Villages in 2	—	Sedhakurichi - - -	137
Grand Circuit - - -	—	Seliyanallur (3 parts) - -	124
Kilnattam - - -	44	Sendimangalam - - -	69
Kottanipullikumalankulam - -	—	Sengani - - -	90
Kondanagaram - - -	101	Settikulam (Kattuguthagai) - -	—
Kongurayankurichi - - -	11	Setuvaroyaputtur - - -	—
Koravarkulam (Kattuguthagai) - -	—	Sikkanarasaiyyangrahamam - -	80
Kristnapuramkovilpatti - - -	16	Sindhupundurai Palaiyagrahman	62
Kulavanikapapuram - - -	48	Sindhupundurai Kovilpattu - -	61
Kumarasamipuram - - -	63	Sittarsattiram - - -	24
Kunnattur - - -	93	Singattakurissi (2 parts) - -	2
Lakshunarsinghapuram - - -	47	Sokkapani - - -	133
Manimurtesvaram - - -	68	Subrhamaniyapuram - - -	66
Manpadavidu - - -	41	Suttamalli Pudugrahamam (2	—
Marudur - - -	25	parts) - - -	96
Mavadi (2 parts) - - -	115	Sattamalli Kovilpattu (2 parts) - -	97
Melappaliyam - - -	58	Tachanallur - - -	77
Melappattam - - -	104	Taruvei - - -	85
Melvattam - - -	59	Tenpattu - - -	81
Mellidiyur (Kattuguthagai) - -	—	Tenikulam (Inam) - - -	—
Minakshipuram Vilagam - - -	91	Tenkulam Veppankulam - - -	—
Morappanadukovilputtu - - -	22	Terkuppatti - - -	138
Morappandu Pudugrahaman - -	21	Tidiyur - - -	87

Tirumalakulundapuram -	-	No. 34	Ullani -	-	-	-	No. 102
Tirumalapuram -	-	" 134	Vakkalam -	-	-	-	" 24
Tiruttupattavartti -	-	" 36	Vappankulam -	-	-	-	" 122
Tiruvennadhapuram -	-	" 64	Vellaikovil -	-	-	-	" 24
Tummarajapuram (2 parts)	-	" 46	Vijayaragava Mudailiar Sattiram				
Udaiyaneri -	-	" 32	(Kattuguthagai) -	-	-	-	" —
Ulakkadi (2 parts) -	-	" 3	Virampatti Majra, &c. -	-	-	-	" 112
Uttanapandiyapuram (Kattuguthagai) -	-	" —	Vittalapuram Kovilpattu -	-	-	-	" 13

Pearl Banks off TUTICORIN and TRICHENDOOR. *Scale, 1½ miles to 1 inch; size 18 inches by 28; price 1s.*

## 20. TRICHINAPALLI DISTRICT.

*Including five Taluks.*

Plan of the PROVINCE (District) of TRICHINOPOLY. Surveyed in the years 1832-33 and '34 under the Superintendence of Capt. B. S. Ward, Assistant Surveyor-General. *Scale, 1 mile to 1 inch; size, 77 inches by 102.*

\* \* The map is divided into six pieces and the central piece of the three forming the upper part is missing. MSS.

Map of the PROVINCE (District) of TRICHINOPOLY. Surveyed in the years 1832-33 and '34 under the Superintendence of Capt. B. S. Ward. Reduced in the Office of the Surveyor-General of India from the map on 1 mile to an inch, to a scale of 4 miles to 1 inch. Calcutta, 19th Sept. 1836. *Size, 21 inches by 28. MS.*

Descriptive Memoir and Registers of Villages of the eight TALOOKS in the PROVINCE of TRICHINOPOLY. Folio, stiff cover. MS.

PROVINCE of TRICHINOPOLY. A Khaneshumaury and a Dehazadda Table of the eight Talooks. Description of the general boundary common to Trichinopoly and South Arcot. Plan and Register of Triangles. Measurement of Five roads, with maps. Folio, stiff cover. MS.

TRICHINOPOLY CANTONMENT and BARRACKS, Madras Presidency:—

1. Indian Atlas, sheets 79, 80, containing the Cantonment and Military Roads, coloured.
2. Plan of the Cantonment of Trichinopoly, corrected up to 10th July 1866. *Scale, 6 inches to 1 mile.*
3. Barracks for the Royal Artillery and European Infantry at Trichinopoly, on 20 sheets.

Plans and Sections of Buildings in and attached to the CENTRAL JAIL at TRICHINOPOLY. No date. *Size, 37 inches by 50. On tracing cloth. MS.*

## MADRAS REVENUE SURVEY OF TRICHINAPALLI DISTRICT.

### I. DISTRICT MAP.

Map of the TRICHINOPOLY DISTRICT showing the boundaries of Taluqs. Chepauk, 1862. *Scale, 2 miles to 1 inch; size, 45 inches by 52.*

Indupur	-	-	No. 11	Patur	-	-	No. 64
Isakapallekurru	-	-	" 14	Pedaacherukur (2 parts)	-	-	" 96
Isakapalem, &c.	-	-	" 54	Pedaputtedu	-	-	" 44
Kaligirikonduru	-	-	" 32	Pedur	-	-	" 100
Kallurupalle (Shrotriem)	-	-	" 126	Penuballi, &c. (Khandrika)	-	-	" 58
Kamivenipad (Shrotriem)	-	-	" 1	"	-	-	" 60
Kanupartipad	-	-	" 125	Pogadadoruvu (Khandrika, Shro-	-	-	" 106
Kavetipalem (Shrotriem)	-	-	" 56	triem)	-	-	" 104
Kodavalur	-	-	" 49	Potladudi	-	-	" 138
Kodayapalem	-	-	" 128	Pottepalem	-	-	" 12
Kodur	-	-	" 114	Purini	-	-	" 72
Koduru (Khandrika, Shrotriem)	-	-	" 115	Ramanapalem	-	-	" 50
Komarika	-	-	" 109	Razupalem	-	-	" 53
Kondamur	-	-	" 146	Rebala	-	-	" 148
Koruturu	-	-	" 112	Sajjapuram (Shrotriem)	-	-	" 38
Kottapalem	-	-	" 105	Sangam	-	-	" 117
Kuditipalem	-	-	" 87	Sevaramapuram (Shrotriem)	-	-	" 39
Kunkumapudi (Shrotriem)	-	-	" 132	Siddipuram, &c.	-	-	" 61
Kunubotla (Khandrika, Shro-	-	-	" 20	Sirrungarapuram (Shrotriem)	-	-	" 110
triem)	-	-	" 92	Somarazupalle	-	-	" 22
Lebur	-	-	" 70	Talamanchi	-	-	" 37
Lyaguntapad	-	-	" 111	Tarunivaya	-	-	" 31
Maipad (2 parts)	-	-	" 40	Teruvidhipad (Shrotriem)	-	-	" 119
Maktapuram	-	-	" 73	Totapalle	-	-	" 23
Maneguntapad	-	-	" 141	Uchaguntapalem (Shrotriem)	-	-	" 4
Mannavarappad (Shrotriem)	-	-	" 34	Ulavapalla (Shrotriem)	-	-	" 145
Marripad	-	-	" 75	Upputur (Shrotriem)	-	-	" 86
Modegunta	-	-	" 143	Utukur (2 parts)	-	-	" 121
Mogallapalem (Shrotriem)	-	-	" 10	Varigonda	-	-	" 122
Mopur (North)	-	-	" 84	Vavilatipad (Shrotriem)	-	-	" 82
Mudivarti	-	-	" 89	Vavilla	-	-	" 43
Mudivartipalem	-	-	" 101	Vavver	-	-	" 129
Mungaladoruvu (Shrotriem)	-	-	" 30	Vedayapalem (Shrotriem)	-	-	" 71
Munulapudi (Shrotriem)	-	-	" 52	Vegur	-	-	" 6
Nagamambapuram	-	-	" 99	Velicherla (Shrotriem)	-	-	" 147
Narukuru	-	-	" 48	Vellanti	-	-	" 103
Nayadipalem	-	-	" 91	Velukanipalli (Shrotriem)	-	-	" 26
Nedimusili	-	-	" 134	Velupod (Shrotriem)	-	-	" 113
Nellore (8 parts)	-	-	" 136	Venkanapalem	-	-	" 78
Ogurupad (Shrotriem)	-	-	" 127	Venkanapuram	-	-	" 83
Padarupulle (Shrotriem)	-	-	" 68	Vidavalur	-	-	" 51
Padugupad (Shrotriem)	-	-	" 93	Yallayapalem	-	-	" 33
Pallipad (Shrotriem)	-	-	" 57	Zangala (Khandrika, Shrotriem)	-	-	" 59
Panehedu, &c. (Khandrika)	-	-	" 76	Zonnavada (Shrotriem)	-	-	
Parlapalle	-	-			-	-	

### 7. Villages in Ongole Taluk.

Addanki (9 parts)	-	No. 10	Bodduvaripalem, &c. (3 parts)	-	No. 14
Alavalapadu (2 parts)	-	" 20	Bollapalli (2 parts)	-	" 27
Aluru (2 parts)	-	" 53	Bollavarappadu, &c.	-	" 16
Ammanabrolu (2 parts)	-	" 56	Bommanapadu	-	" 23
Anamahuru (Shrotriem)	-	" 13	Budavada Chinamallavaram	-	" 30
Annangi Burepalli	-	" 73	Chedaluvada	-	" 66
Baitamunzuluru (Shrotriem)	-	" 25	Chejerla	-	" 54
Bandlamudi	-	" 94	Chekurupadu	-	" 63
Bhatlamaehavaram Madduluru	-	" 105	Chendaluru (2 parts)	-	" 35
Bhimavaram	-	" 39	Chimakurti (2 parts)	-	" 96
Bhusurapalli (Shrotriem)	-	" 101	Chinakottapalli Govada	-	" 5

Chintagumpalli -	-	No. 41	Mattepadu Vemulapadu -	No. 108
Chiruvanuppalapadu -	-	65	Mayinampadu (2 parts) -	91
Dasarazuppalli, &c. (3 parts) -	-	57	Mukhtinutalapadu -	60
Dharmavaram -	-	3	Muppavaram -	22
Doddavarappadu -	-	83	Naguluppalapadu -	67
Duddukuru -	-	37	Nandipadu (Shrotriem) -	80
Gangavaram Santanutalapad (3 parts) -	-	88	Narsimhapuram (Shrotriem) -	8
Gonasapudi -	-	40	Nelaturu -	77
Gopalapuram (Shrotriem) -	-	7	Nennurupadu (Shrotriem) -	12
Gudimellapadu (Shrotriem) -	-	61	Nidamaluru -	112
Gundlapalli -	-	72	Nujellapalli -	36
Ilanumapuram Nidamanur (2 parts) -	-	69	Ongole -	59
Idumudi -	-	43	Padamati Takkellapadu (Shrotriem) -	106
Inamanamelluru -	-	81	Padarti -	51
Janakavaram, &c. (2 parts) -	-	31	Pamidipadu (Zemindary) -	—
Jayavaram -	-	114	Pedajangalapalli Vallapalli -	4
Jangamaheswarapuram Shrotriem) -	-	2	Pedatalapudi -	103
Kalavakuru (2 parts) -	-	24	Pichikelagudipadu -	19
Kandlagunta Vamevaram -	-	45	Pidatalagudipadu -	92
Kanduluru -	-	111	Ponduru -	109
Kanuparti (3 parts) -	-	49	Potavaram -	68
Karumanchi -	-	113	Puligonda -	100
Kassiyapuram (Zemindary) -	-	—	Pyarnamitta (2 parts) -	68
Kirtipadu -	-	71	Rachapudi -	44
Kolanchanakota -	-	76	Rachavaripalem -	70
Kondamuru -	-	21	Ramachendrapuram (Shrotriem) -	102
Kondamunjalu (3 parts) -	-	28	Ramakuru -	26
Kondurivari (Agraharam) -	-	95	Ramayapalem Timmayapalem -	9
Koniki -	-	38	Raparla -	48
Konijedu (2 parts) -	-	107	Ravinutala (2 parts) -	33
Kopperapadu -	-	34	Ravipadu (Zemindary) -	—
Koppolu -	-	58	Razupalem Latchmipuram (Shrotriem) -	97
Korisepadu -	-	18	Sitarampuram (Shrotriem) -	98
Kotapadu -	-	29	Somavarappadu -	82
Kottakota Takkellapadu -	-	15	Tanguturu (5 parts) -	17
Kottapalli -	-	90	Trovagunta -	115
Lingamgunta -	-	85	Turupu Takkellapadu (Shrotriem) -	62
Maehavaram -	-	47	Uppugunduru -	32
Maddipadu -	-	79	Valaparla -	46
Maddirela Muppalla -	-	42	Velagapudi (Shrotriem) -	1
Maddiralapadu (Shrotriem) -	-	64	Velampalli -	116
Mailavaram (Shrotriem) -	-	99	Venatesvarapuram (Shrotriem) -	78
Mallavaram -	-	75	Yaukipadu -	74
Mangamuru -	-	87	Yaragudipadu -	104
Manikeswaram -	-	11	Yedugundlapadu -	93
Marlapadu -	-	110	Yendluru -	84
				89

## 8. Villages in Rapur Taluk.

Adurapalli (Shrotriem) -	No. 52	Biradayolu (Shrotriem) (3 parts) -	No. 10
Akkamambapuram (Shrotriem) -	106	Chaganam -	74
Alturti -	32	Challatura Kambbalapalli, &c. -	53
Anandamadugu (Shrotriem) -	86	Chatagotta Amaram -	41
Ankupalli (Shrotriem) -	30	Cherlapalli Zarepalli -	105
Bandepalli (Zemindary) -	—	Chikavolu Razulayeraguntapalem -	107
Bazavapalli (Zemindary) -	—	Chinagopavaram, &c. -	20

Chintalatukur - - - No.	5	Orupalli Amaram - - No.	71
Chipinapi (2 parts) - - - "	4	Orupalli Razupalem turimerla - - "	72
Chittaluru - - - "	21	Pallakonda - - - "	6
Chuttupalem (Shrotriem) - - - "	64	Palicherlapadu - - - "	44
Culimicherla - - - "	67	Palurupalur Raghapalem - - - "	87
Davarammura - - - "	46	Pangiri (Zemindary) - - - "	—
Degapudi - - - "	49	Perrumallapadu, &c. - - - "	70
Degapudi Razupalem Kottabad - - - "	50	Pathallapalli (Shrotriem) - - - "	88
Devandlaya Raguntapalem, &c. - - - "	31	Pokkahdala (Shrotriem) - - - "	77
Dugguntakonagaluru - - - "	51	Parlapalli (Shrotriem) - - - "	39
Garimanapenta (Shrotriem) - - - "	7	Potalakuru (3 parts) - - - "	36
Gonunarasayapalem (Shrotriem) - - - "	62	Potigunta Lingapalem - - - "	93
Griddaluru - - - "	78	Pulikollu - - - "	25
Guravayapalem Amaram - - - "	28	Raganaramapuram Amaram - - - "	81
Gurivindapudi (Shrotriem) - - - "	13	Rapur (4 parts) - - - "	102
Idulak (Khandrika, Shrotriem) - - - "	94	Samudralanari (Khandrika, Shro-	
Inukurti Mudigudu - - - "	38	triem) - - - "	83
Jafalapuram (Shrotriem) - - - "	75	Sankarantipalli Amaram - - - "	59
Kalichedu (Shrotriem) - - - "	47	Sanayapalem (Shrotriem) - - - "	56
Kanuparti - - - "	33	Sidhavaram - - - "	104
Kasulanativari (Khandrika, Shro-		Suddamalla (Shrotriem) - - - "	14
triem) - - - "	11	Takapalem Amaram - - - "	55
Kesaunenipalli Tirumalapadu - - - "	18	Tanamcherla (Shrotriem) - - - "	54
Komatigunta Razupalem (Shro-		Tatipalli Amaram - - - "	58
triem) - - - "	63	Tegacherla - - - "	3
Koturupadu (Shrotriem) - - - "	103	Timmana Ramapuram - - - "	65
Koturpalli (Shrotriem) - - - "	109	Tippireddipalli - - - "	82
Kristnareddipalli (Shrotriem) - - - "	68	Tocham (Shrotriem) - - - "	69
Linganaalam Amaram - - - "	15	Toderu - - - "	42
Lingasamudram (Shrotriem) - - - "	84	Tokalapudi Amaram - - - "	92
Malichedu (Shrotriem) - - - "	48	Tumaya Amaram - - - "	98
Manugala Venkatapuram Ama-		Turpupundla Ramasagaram - - - "	79
ram - - - "	66	Uchapalem Amaram - - - "	27
Marlapudi, &c. - - - "	95	Utlapalem (Shrotriem) - - - "	57
Marripalli Gopasamudram (Shro-		Utukuru - - - "	73
triem) - - - "	87	Uyyalapalli (Shrotriem) - - - "	108
Marupuru (2 parts) - - - "	43	Vadlapudi (2 parts) - - - "	45
Mittapalli Amaram - - - "	91	Vandaluru (Shrotriem) - - - "	16
Mungapadu (Shrotriem) - - - "	60	Vanintaparti - - - "	26
Molakalapundla, &c. (2 parts) - - - "	80	Vanileru - - - "	22
Mogollur - - - "	29	Vemulachedu Amaram - - - "	90
Nandinaya (Shrotriem) - - - "	34	Viriyapalem (Shrotriem) - - - "	96
Nayadipalli (Shrotriem) - - - "	61	Yepur - - - "	101
Nellepalli Velugonu - - - "	99	Yerrapalli (Shrotriem) - - - "	2
Nernuru - - - "	24	Zogipalli Amaram - - - "	76

#### 14. NORTH ARCOT DISTRICT.

Including nine Taluks.

**Survey of NORTH ARCOT.** Three Sheets of the South-western part, including Kongoondy Droog, Venkettagherry cotta, Amboor Droog, &c. Surveyed by Messrs. McMahon, Howard, and Allan. *Scale, 1 mile to 1 inch; size of each, about 24 inches by 20.* MSS.

**Survey of part of the NORTH-WESTERN BOUNDARY of NORTH ARCOT,** executed in 1837-38, under the superintendence of Lieut. S. C. Macpherson, Assistant Surveyor. *In 2 sheets. Scale, 1 mile to 1 inch; size of each, 28 inches by 21.* MSS.

\* \* The title is according to the endorsement on the back of the sheets. They do not join.

Map of the COLLECTORATE of NORTH ARCOT. *Scale of 2 miles to 1 inch.* Lithographed at Madras. No date. *On 12 sheets ; size of each, 27 inches by 20.*

Brief Remarks on the POLYGARSHIP of CONGOONDY, on the Eastern Ghauts (North Arcot). By Captain J. Campbell, Assistant Surveyor-General, 1842. *On 8 pages foolscap, in paper cover.* MS.

## 15. SALEM DISTRICT.

Including nine Taluks.

Map of the SALEM DISTRICT, including the BARAMAHL, as surveyed during the years 1835, '36, '37, and '38, under the superintendence of Captain J. Campbell, Assistant Surveyor-General. *Scale, 4 miles to 1 inch ; in 2 parts ; size, 37 inches by 32.* MSS.

Reports on the SODA SOILS of the BARAMAHL (Salem District) and on the Kaolin Earth of Mysore. By Captain J. Campbell, Assistant Surveyor-General, 1841. *On 11 pages foolscap, unbound.* MSS.

The SALEM SURVEY. *Scale, 1 mile to 1 inch ; on 27 sheets ; size of each, various, but generally 26 inches by 20.* MSS.

Also, A KEY to the original Sections of the SALEM SURVEY. *Scale, 8 miles to 1 inch ; size, 21 inches by 17.* MS.

Reductions of the Salem Survey :—

1. Salem Survey. Plan of new geographical matter collected during the past year, 1st Sept. 1835. Signed C. T. Hill, Lieutenant, Assistant Surveyor-General, &c. *Scale, 8 miles to 1 inch ; size, 18 inches by 12.* MS.
2. Plan of work performed on the Salem and Baramahal Survey in season 1835–36. *Scale, 8 miles to 1 inch ; size, 13 inches by 11.* MS.
3. Plan of work performed on the Salem and Baramahal Survey in season 1836–37. *Scale, 8 miles to 1 inch ; size, 8 inches by 15.* MS.
4. Sketch of work surveyed by the Salem Survey from 1st Sept. 1837 to 1st Sept. 1838. *Scale, 8 miles to 1 inch ; size, 10 inches by 16.* MS.

The PURGUNNAHS of OUSSOOR, BAUGLORE, SOLOGEERY, and ANKOSGEERY, from actual survey by Mr. Mather in 1800. Signed C. Mackenzie, Capt. Superintendent, Mysore Survey. *Scale, 1 mile to 1 inch ; size, 26 inches by 48.* 2 copies. MSS.

Map of DENKENEKOTTA RANGE, SALEM FORESTS. Showing the Sandal-wood and Timber Tracts. No date. *Scale, 1 mile to 1 inch ; size, 34 inches by 41.* Litho.

The KOLLYMULLAY HILLS, by Messrs. McMahon and Allan. No date. *Scale, 2 inches to 1 mile ; on 2 sheets ; size, 35 inches by 23.* MSS.

The SHERVAROY HILLS, by Messrs. McMahon and Allan. No date. *Scale, 2 inches to 1 mile ; on 2 sheets ; size, 30 inches by 23.* MSS.

SHERVAROYEN HILLS (Salem District). Central Office of P. W., Chepauk. September 1862. *Scale, 2 miles to 1 inch ; size, 14 inches by 19.* On tracing cloth. MS.

\* \* \* To illustrate the Roads in the Shervaroy Hills.

## MADRAS REVENUE SURVEY OF SALEM DISTRICT.\*

## I.—VILLAGE MAPS, ARRANGED IN TALUKS.

1. *Villages in Attur Taluk.*

Abinavaram - - -	No. 156	Odayampatti (2 parts) - - -	No. 67
Agrarakottampadi - - -	70	Odayattur - - -	78
Alagaburam - - -	75	Pagadappadi - - -	45
Appamasamudram - - -	67	Palaniyapuram - - -	20
Aratti (Agraharam) - - -	31	Pallipalayam - - -	73
Argalur - - -	11	Panamadal - - -	4
Aripalayam - - -	125	Periyakombai - - -	158
Attanurpatti - - -	164	Pinnanur (2 parts) - - -	98
Attavanaikottambadi (3 parts) - - -	71	Periyakurichi - - -	22
Attur - - -	132	Peddunaikanpalayam - - -	101
Ayalapatti - - -	64	Periyeri - - -	140
Chinakistnapuram - - -	110	Ponnarampatti - - -	10
Chinnasekkadi - - -	153	Pubyankurichi - - -	113
Chokkanadaburam - - -	107	Pungavadi - - -	15
Danavaypatti - - -	81	Punavasal - - -	60
Deviyakurichi - - -	130	Puttirakkavundanpalayam - - -	43
Eramasamudram - - -	34	Putturpalapatti - - -	142
Gopalapuram - - -	134	Rajapalayam - - -	99
Ichampatti (2 parts) - - -	122	Rungappanayakkampalayam - - -	146
Iluppainattam - - -	82	Sandaripatti - - -	123
Kadambur - - -	17	Saravay, &c. - - -	56
Kalarampatti - - -	59	Sattambadi - - -	40
Kalayanaghiiri - - -	124	Seradimalai (2 parts) - - -	44
Kalleripatti - - -	160	Siliyampadi - - -	94
Kamakkapalayam - - -	157	Singapuram - - -	95
Kavarappani - - -	30	Sinnakistnapuram - - -	83
Karadippatti - - -	23	Sirkarvalapadi - - -	149
Karapaganur - - -	161	Sitteri - - -	153
Kottambadi - - -	69	Sokkanur - - -	152
Kattukkottai - - -	72	Somampatti - - -	12
Keripatti - - -	36	Tamayanur - - -	27
Kistnapuram - - -	87	Tengumarai - - -	117
Kondayampalli - - -	51	Tenpillaiyour - - -	147
Kudamalai - - -	57	Timmanaikampatti - - -	42
Kumarapalayam - - -	53	Tirumalaisamudram (2 parts) - - -	126
Kumarasameyour - - -	159	Tittacheri - - -	119
Latchimanasamudram - - -	165	Tukkayampalayam - - -	133
Malliyakari - - -	77	Ulipuram - - -	25
Mottudaiyampalayam - - -	85	Unattur - - -	163
Mettupalayam - - -	155	Unatongal - - -	89
Mummudi - - -	33	Valaikomhai - - -	1
Manarpalayam - - -	114	Valasaikallipatti - - -	103
Mummalai - - -	54	Valayamadevu - - -	92
Muttakawndanur - - -	143	Vedakuttampatti - - -	49
Muttal - - -	37	Velaripalayam - - -	62
Nagakurichi - - -	6	Vettakaranur - - -	148
Nagalur - - -	29	Viraganur - - -	116
Narakiner (2 parts) - - -	120	Virakavundauur - - -	167
Nattar (Agraharam) - - -	18	Yettramasamudram - - -	26
Navalpatti - - -	11		138
			134

\* The District Map and the Taluk Maps have not been received.



## 2. Villages in Darampuri Taluk.

Adalatinmanhalli	-	-	No. 480	Ettimarudahalli	-	-	No. 134
Adamur	-	-	" 453	Gengusettihalli	-	-	" 342
Agasarahalli	-	-	" 457	Gollahalli	-	-	" 128
Agraharam	-	-	" 471	"	-	-	" 137
Ajjahalli	-	-	" 50	"	-	-	" 288
Alamardahalli	-	-	" 256	Gopalahalli	-	-	" 107
Ambekambinahalli	-	-	" 243	Gunnanur	-	-	" 142
Anumandapuram or Ettiyampatti	"	"	462	Guruchinnahalli or Mulaga-			
Angandahalli	-	-	" 417	lappatti	-	-	" 8
Aneikkallanur	-	-	" 245	Gurusinnahalli	-	-	" 59
Avaliyennumpudur	-	-	" 468	Ichapadi or Oddannur	-	-	" 492
Akkammanhalli	-	-	" 182	Ichalhalli	-	-	" 92
Appasamudram	-	-	" 96	Indamangalam	-	-	" 344
Aralimarudanahalli	-	-	" 234	Indangurichi	-	-	" 402
Arakasinhalli	-	-	" 47	Indur	-	-	" 150
Attisinnahalli or Kullanur	-	-	" 219	Itchalahalli	-	-	" 54
Attukaranpatti	-	-	" 5	Ittikkahalli	-	-	" 443
Attukaranhalli	-	-	" 200	Jagganahalli	-	-	" 477
Anaipuram	-	-	" 472	Jarugnehinnanahalli	-	-	" 474
Baisahalli	-	-	" 312	Jarugu	-	-	" 51
Bandarahalli	-	-	" 32	Jellikaduranahalli	-	-	" 464
Bangittimmanhalli	-	-	" 394	Jengamanhalli	-	-	" 242
Basuvalanattam	-	-	" 478	Jettalakaranahalli	-	-	" 263
Belarahalli	-	-	" 433	Jettihalli	-	-	" 121
Belahalli	-	-	" 448	Jezzanayanakkanhalli	-	-	" 363
Bengahalli	-	-	" 258	Kadamade	-	-	" 438
Bettanahalli	-	-	" 409	Kadinayakanhalli	-	-	" 316
Bochanahalli	-	-	" 473	Kaiadatimmanahalli	-	-	" 84
Bodireddihalli	-	-	" 116	Kalappanhalli	-	-	" 351
Bodigauhalli	-	-	" 99	Kallipuram or Parateru	-	-	" 461
Bommanhalli	-	-	" 373	Kalluhalli	-	-	" 355
Bommasamudram	-	-	" 148	Kamalapuram	-	-	" 285
Chikkanjehalli	-	-	" 451	Kanikarahalli or Sekkarappatti	-	-	" 160
Chittarahalli	-	-	" 434	Kanakallur	-	-	" 488
Dadinayakanhalli	-	-	" 79	Kanavaivosahalli	-	-	" 185
Dalavayhalli Belarhalli	-	-	" 426	Kanikkarahalli	-	-	" 124
Dalavoihalli	-	-	" 155	Kannampalli	-	-	" 48
Dandukaranhalli	-	-	" 450	Karattahalli	-	-	" 445
Dasakavundhalli	-	-	" 190	Karippanaikkanhalli	-	-	" 56
Dendukaranhalli	-	-	" 83	Kariyanahalli	-	-	" 232
Dinnebelur	-	-	" 497	Karudahalli	-	-	" 446
Doddamallahalli	-	-	" 179	Karadihalli	-	-	" 378
Doddardanahalli	-	-	" 416	Karuttamaranahalli	-	-	" 395
Dokkubodanahalli	-	-	" 69	Kasipareddihalli	-	-	" 74
Echanahalli	-	-	" 223	Kattukkavalatti	-	-	" 274
Echanahalli	-	-	" 383	Kenibagayattu	-	-	" 400
Ellichikuttahalli	-	-	" 379	Keraikodihalli	-	-	" 283
Endaialli	-	-	" 418	"	-	-	" 368
Enumulanayakanhalli	-	-	" 360	Kerehalli	-	-	" 495
Erakamanhalli	-	-	" 490	Kettakkaraiyanahalli	-	-	" 87
Erakuttaialli	-	-	" 292	Kettuhalli	-	-	" 77
Eranhalli	-	-	" 127	Ketunayakanhalli	-	-	" 306
Erranahalli	-	-	" 437	Kittanahalli	-	-	" 386
Erumanahalli	-	-	" 432	Kittayeranahalli or Koppalur	-	-	" 41
Esakkarahalli	-	-	" 303	Kittikarahalli or Irallappatti	-	-	" 305

Kodataramangalam	-	-	No. 14	Meiyanur	-	-	No. 23
Komaranhalli	-	-	" 187	Mekalanayakkanhalli	-	-	" 439
Konangihalli	-	-	" 220	Mekkalayanayakkanhalli	-	-	" 358
Konanginayakkanhalli	-	-	" 313	Melipphanhalli (2 parts)	-	-	" 346
Kondisettihalli	-	-	" 371	Mettupatti	-	-	" 203
Koninarudahalli	-	-	" 105	Modakkeri	-	-	" 136
Koppakari	-	-	" 67	Molaiyappanhalli	-	-	" 267
Korappalli	-	-	" 214	Morasarahalli	-	-	" 377
Kottamannahalli	-	-	" 110	"	-	-	" 237
Kottumaranhalli	-	-	" 365	Matam	-	-	" 467
Kovilpatti	-	-	" 6	Muduvanhalli	-	-	" 236
Kudihalli	-	-	" 79	Mulaikkadu	-	-	" 323
Kudirnayakkanhalli	-	-	" 299	Mukkanhalli	-	-	" 272
Kukkattamasi	-	-	" 76	Mukkolum or Periyamukuli	-	-	" 376
Kullayatirumanahalli	-	-	" 458	Mulapanahalli	-	-	" 85
Kundappanayakkanhalli	-	-	" 356	Muttanahalli	-	-	" 88
Kunnahalli	-	-	" 221	Muttanhalli	-	-	" 364
Kunnissetihalli	-	-	" 189	Naduhalli	-	-	" 196
Kuntalahalli	-	-	" 441	Nagalapuram	-	-	" 157
Kuppanahalli	-	-	" 469	Nakkalhali	-	-	" 298
Kupparahalli	-	-	" 384	Nallanhalli	-	-	" 248
Kuppusettihalli	-	-	" 151	Nallappakatirinhalli	-	-	" 455
Kuppur	-	-	" 193	Nallur	-	-	" 499
Kurakamanahalli or Kollarayur	-	-	" 493	Nayakkanhalli	-	-	" 175
Kuranahalli	-	-	" 206	Neruppur	-	-	" 500
Kuruparahalli	-	-	" 177	Nimmankarai	-	-	" 282
Kurumbarhalli	-	-	" 117	Nirkondi	-	-	" 468
Knttaibeyaranhalli	-	-	" 192	Nulhalli	-	-	" 460
Kuttalhalli	-	-	" 345	Nulakkavundanhalli or Redde-			
Kuttalanahalli	-	-	" 391	terevu	-	-	" 165
Kuttambadi	-	-	" 470	Obalimuttanhalli or Nagalur	-	-	" 239
Kuzarahalli	-	-	" 393	Odanhalli	-	-	" 388
Laligam	-	-	" 113	Oodikottai	-	-	" 37
Leckkanahalli or Yamanna	-	-	" 511	Onnanahalli	-	-	" 338
Madanahalli	-	-	" 414	Onnappakavundanhalli	-	-	" 268
Mademangalam	-	-	" 118	Osahalli or Mattukaramur	-	-	" 197
Mahadhanhalli	-	-	" 112	Osahalli	-	-	" 213
Mailpatti	-	-	" 332	Ottally	-	-	" 131
Malluchinnanahalli	-	-	" 486	Pagalahalli	-	-	" 82
Mallapuram	-	-	" 153	Palavadi	-	-	" 266
"	-	-	" 240	Palakod	-	-	" 427
Mallasamudram	-	-	" 430	Pattakavundanhalli	-	-	" 398
Mandarahalli	-	-	" 390	Pallippatti	-	-	" 29
Manjarhalli	-	-	" 505	Panjikarhalli or Sikkapamji-			
Malliyanhalli	-	-	" 133	karahalli	-	-	" 452
Manidahalli	-	-	" 49	Paravatanhalli	-	-	" 459
Manihalli	-	-	" 156	Parangimarudanhalli	-	-	" 71
Maravadi	-	-	" 315	Parikam	-	-	" 52
Maravadinattam	-	-	" 317	"	-	-	" 53
Marojanahalli	-	-	" 466	Parittinattam	-	-	" 135
Marappanhalli	-	-	" 207	Patchakavundanhalli	-	-	" 276
Mattathalli	-	-	" 12	Patchamuttampalli	-	-	" 19
Mattapalli or Puchiyur	-	-	" 24	Pattalahalli	-	-	" 44
Mattukaranhalli	-	-	" 198	Patanavadi	-	-	" 512
Mattaikavundanhalli	-	-	" 286	Pattarahalli	-	-	" 407
Mattalakavundanhalli	-	-	" 350	Pedamaneri	-	-	" 167
Mattimarudahalli	-	-	" 314	Pelanaikkanhalli	-	-	" 143
Mattukaranhalli	-	-	" 333	Pennaganhalli	-	-	" 224
Meduhalli	-	-	" 284	Pennagaram	-	-	" 463

Periyarahalli -	-	-	No. 353	Sikkamarandahalli -	-	-	No. 392
Perumbalai -	-	-	" 31	Sikkaratanhalli -	-	-	" 428
Petanbhalli -	-	-	" 456	Sikkarasanhalli -	-	-	" 326
Pickanbhalli -	-	-	" 216	Silappakavundanbhalli -	-	-	" 80
Piliyanur -	-	-	" 217	Siligibommanhalli -	-	-	" 494
Pillanellur (Agraharam) -	-	-	" 250	Silliyampatti -	-	-	" 290
Pingekavundanbhalli -	-	-	" 227	Sigaralhalli -	-	-	" 215
Piyayalamari -	-	-	" 229	Sinnakamanhalli -	-	-	" 204
Pujaribhalli -	-	-	" 199	Sinnampalli -	-	-	" 36
Podapuram -	-	-	" 309	Sinnuaranbhalli -	-	-	" 252
Pokkalbhalli -	-	-	" 413	Sinnayanallur -	-	-	" 481
Polanbhalli -	-	-	" 94	Sirugalur -	-	-	" 152
Ponneri -	-	-	" 301	Soganur -	-	-	" 387
Puchettibhalli -	-	-	" 257	Sogattur -	-	-	" 164
Pudanayakkanhalli -	-	-	" 35	Solappadi -	-	-	" 21
Pudur -	-	-	" 501	Sollanbhalli -	-	-	" 366
Puganibhalli -	-	-	" 261	Somanahalli -	-	-	" 154
Pulabhalli -	-	-	" 367	Somanhalli -	-	-	" 233
Pulikallu -	-	-	" 431	Sorakkayanbhalli -	-	-	" 119
Pulikarai -	-	-	" 302	Sreramanbhalli -	-	-	" 337
Pullakurichibhalli -	-	-	" 352	Sunzivikadiranbhalli -	-	-	" 444
Pullappakavundanbhalli -	-	-	" 109	Sunnadahalli -	-	-	" 359
Pumandahalli -	-	-	" 311	" -	-	-	" 429
Pumbalai or Seppanur -	-	-	" 30	Surulabhalli -	-	-	" 380
Puram -	-	-	" 412	Talibhalli -	-	-	" 40
Puttukanbhalli -	-	-	" 106	Talibhalli or Bomappukuttai -	-	-	" 58
Punadanahalli -	-	-	" 347	Tambikavundanbhalli -	-	-	" 259
Puvalamadugu -	-	-	" 70	Tammananbhalli -	-	-	" 114
Puzaribhalli -	-	-	" 103	Tattaikadirinbhalli -	-	-	" 260
Ramanbhalli -	-	-	" 310	Tinnahalli -	-	-	" 231
Ramayanasennanbhalli -	-	-	" 98	Tiyapakavundanbhalli -	-	-	" 241
Raseravutanbhalli -	-	-	" 45	Tonnayanbhalli -	-	-	" 349
Reddikkarihalli Konangur or	-	-	" 28	Togakavundanbhalli -	-	-	" 129
Kombadiyur -	-	-	" 454	Upparahalli -	-	-	" 57
Rengapuram -	-	-	" 34	" -	-	-	" 268
Ronibhalli -	-	-	" 399	Upparahalli or Sinnamugam -	-	-	" 270
Sakkarai kavundanbhalli -	-	-	" 66	patti -	-	-	" 396
Samisettibhalli -	-	-	" 230	Upparahalli -	-	-	" 75
Sattiyana dhpuram -	-	-	" 389	Uppilaparitti -	-	-	" 382
Sekkatoranapettam -	-	-	" 482	Urulabhalli -	-	-	" 86
Sekaralhalli -	-	-	" 374	Valliyamayakkanbhalli -	-	-	" 89
Sellamaranbhalli -	-	-	" 508	Vamalanattam -	-	-	" 322
Sellamundi or Mottur -	-	-	" 184	Vedibhalli -	-	-	" 319
Sembanahalli -	-	-	" 422	Vellalapatti -	-	-	" 172
Senguttaibhalli -	-	-	" 202	Vellayakavundanpalayam or	-	-	" 321
Sengodi -	-	-	" 403	Kuppakavundenterm -	-	-	" 442
Sennakesavahalli -	-	-	" 104	Venkatanayakkanbhalli -	-	-	" 209
Sennamanbhalli -	-	-	" 287	Veppalahalli -	-	-	" 487
Sennapatti -	-	-	" 421	Veresettibhalli -	-	-	" 404
Seradalappu -	-	-	" 343	Virondanbhalli -	-	-	" 139
Settibhalli -	-	-	" 166	Viranbhalli -	-	-	" 140
" -	-	-	" 149	Virupatchipuram (2 parts) -	-	-	" 33
Settakesavanbhalli -	-	-	" 174	" -	-	-	" 336
Settikarai -	-	-	" 485	Yettikarabhalli -	-	-	" 170
Sidumanbhalli Sellamudi -	-	-	" 489	Zavulabhalli -	-	-	" 173
Sigumanbhalli -	-	-	" 406	Zavulohalli -	-	-	" 440
Sikkagollabhalli -	-	-	" 304	Zolihalli -	-	-	" 408
Sikkaballarabhalli -	-	-	" 178	Zembukanattam -	-	-	
Sikkamallabhalli -	-	-		Zogibhalli -	-	-	

3. *Villages in Kristnagiri Taluk.*

Adalam - - -	No. 156	Gollapalli Goddaleri - -	No. 195
Adilam - - -	1	Gollapalli Kalluguragi - -	246
Agasipalli - - -	273	Gollapalli Kanakamuttala - -	259
Agraharam Davalatabad - -	118	Jambukuttaipatti - -	59
Agraharam Vennampalli - -	227	Janaparahalli - -	310
Agraharam Malaiyandahalli - -	280	Janardnapuram - -	216
Alerahalli - - -	146	Japaratti - -	299
Aluvalpalli - - -	197	Jidikuppam - -	170
Amanakkampatti - - -	60	Jikallarapalli - -	180
Amanitalavu - - -	207	Jikalrahalli - -	304
Amidalapalli - - -	239	Jinkalakadirampatti - -	38
Ampalli - - -	172	Jogipatti - -	126
Andarippatti - - -	127	Kadapasandampatti - -	94
Angampatti - - -	104	Kadarikuppam - -	223
Anginayanipalli - - -	325	Kadaripuram - -	302
Anukodi - - -	153	Kadiganpalli - -	269
Arasakavundanpalaiyam - -	305	Kallattipalli - -	166
Arasampatti - - -	32	Kallipatti - -	29
Arimanupalli - - -	203	Kalluguragi - -	255
Avadanapalli - - -	279	Kalvehalli Maruderi - -	47
Avalappampatti - - -	81	Kalvehalli Jagadab - -	288
Ayilampatti - - -	73	Kammampalli - -	225
Badetalavu - - -	263	Kambukalahalli - -	51
Baletottam - - -	106	Kanampalli - -	278
Bandrahalli - - -	15	Kandikuppam - -	200
Bandarahalli - - -	62	Kandopanahalli - -	313
Bannihalli - - -	315	Kannandahalli - -	144
Batrahalli Mattur - - -	119	Kappinayakampatti - -	163
Battapalli - - -	176	Kappalavadi - -	182
Belakondapuram - - -	121	Karakatahalli - -	7
Belavaratti - - -	230	Karakuppam - -	202
Bettepalli - - -	267	Karadiguragi - -	250
Bodapuram - - -	309	Karuppakavundanpalaiyam - -	306
Boganapalli - - -	264	Karupperi - -	132
Bommasamudram - - -	311	Kattagaram - -	88
Bommepalli - - -	168	Kattakarampatti - -	61
Damodarahalli - - -	22	Katteri - -	290
Dasarihalli - - -	298	Kaveripattanam - -	294
Davarahalli - - -	28	Kembinayanipalli - -	206
Dindal - - -	12	Kittanapalli - -	274
Doddakaradiyur - - -	56	Kollapatti - -	67
Domalahalli - - -	322	Konganaservu - -	178
Eladaghiri - - -	222	Kotiguttalapalli - -	241
Emakalnattam - - -	196	Kottakota - -	117
Errahalli - - -	307	Kottampatti - -	140
Ettampatti - - -	74	Kottipalli - -	83
Gajjiganur - - -	87	" - -	281
Gangavaram - - -	89	Kotulakutta - -	173
Ganginayakampatti - - -	103	Kristnaghiri - -	262
Gazulahalli - - -	312	Kristnasagaram - -	270
Gendikanpatti - - -	102	Kshirasagaram - -	271
Giddampalli - - -	158	Kudamandampatti - -	112
Girinadampatti - - -	113	Kudarasendampatti - -	97
Giriyampatti - - -	3	Kudimenahalli - -	27
Goddaleri - - -	204	Kullampatti - -	95
Gollahalli - - -	14	Kumbarahalli - -	145
Gollapalli Adalam - - -	157	Kumbaranganahalli - -	187

Kunatimmampatti	-	-	No. 37	Pattakarahalli	-	-	No. 25
Kundalappatti	-	-	" 291	Peddamadapalli	-	-	" 215
Kundepalli	-	-	" 169	Peddamelupalli	-	-	" 257
Kundiobanattam	-	-	" 190	Peddapapampatti	-	-	" 99
Kundupatti	-	-	" 101	Periyamuttur	-	-	" 282
Kundur	-	-	" 68	Perumalukuppam	-	-	" 161
Kuragapalli	-	-	" 160	Pilliovanapalli	-	-	" 189
Kurumbapatti	-	-	" 297	Pochampalli	-	-	" 76
Kuttahalli	-	-	" 320	Pokampatti	-	-	" 107
Kuttambatti	-	-	" 20	Potinayanipalli	-	-	" 254
Kuttur	-	-	" 171	Pujaripalli	-	-	" 249
Lakkampatti	-	-	" 138	Puligunda	-	-	" 154
Madalakuppam	-	-	" 220	Pulimadalapalli	-	-	" 217
Madarahalli	-	-	" 162	Puliyampatti (Puliyampatti)	-	-	" 17
Madavapuram	-	-	" 136	Puliyampatti Tippanur	-	-	" 78
Madinayanipalli	-	-	" 253	Puliyandapatti	-	-	" 114
Mahadevagollahalli	-	-	" 151	Pumalatampatti	-	-	" 324
Maharajagadai	-	-	" 240	Pungampatti	-	-	" 44
Malaiyandahalli	-	-	" 116	Puram Goddaleri	-	-	" 205
Malakatimmanahalli	-	-	" 321	Puram Varattanahalli	-	-	" 218
Mallalakuppam	-	-	" 260	Ramanattam	-	-	" 323
Mallapadi	-	-	" 186	Raminayanipalli	-	-	" 256
Mallikkallu	-	-	" 54	Rangampatti	-	-	" 129
Mallinayanipalli	-	-	" 226	Rangasamudram	-	-	" 183
Mandipalli	-	-	" 165	Renukuttahalli	-	-	" 111
Manjamedu	-	-	" 33	Sadinayakkampatti	-	-	" 24
Marappanayakkampatti	-	-	" 109	Sakkilinnattam	-	-	" 181
Marimanupalli	-	-	" 184	Salinayanipalli	-	-	" 194
Maruderi	-	-	" 46	Samandapatti	-	-	" 19
Mesanakuppam	-	-	" 319	Sandampatti	-	-	" 96
Matepalli	-	-	" 198	Sandampatti Kudamandapatti	-	-	" 123
Marattur	-	-	" 66	Sandanur	-	-	" 21
Medukampalli (3 parts)	-	-	" 210	Sandapuram	-	-	" 293
Mettupatti	-	-	" 55	Sandur	-	-	" 91
Mindakuri	-	-	" 148	Sanippatti	-	-	" 135
Mittahalli	-	-	" 296	Sangampatti	-	-	" 65
Miyakalasinnampalli	-	-	" 243	Sappanippatti	-	-	" 2
Modukulahalli	-	-	" 110	Sattarampalli	-	-	" 199
Mollampatti	-	-	" 23	Sekinayanipalli	-	-	" 174
Moranahalli	-	-	" 301	Sellakuttaipatti	-	-	" 43
Mukampatti Baletottam	-	-	" 71	Sendrayanahalli	-	-	" 85
Mukampatti Kudamandapatti	-	-	" 108	Sennampatti	-	-	" 8
Mukampatti Sandampatti	-	-	" 150	Settamarampatti	-	-	" 286
Mullanur	-	-	" 6	Sevvampatti	-	-	" 164
Murugampatti	-	-	" 4	Sikalapalaiyam	-	-	" 231
Muttupapampatti	-	-	" 39	Sikkatimmanahalli	-	-	" 9
Nadumuttur	-	-	" 283	Sinnakaradiyur	-	-	" 58
Naduppattu	-	-	" 167	Sinnamelupalli	-	-	" 258
Nagasamudram	-	-	" 5	Sinnampalli	-	-	" 247
Nagojanahalli	-	-	" 50	Sinnamuttur	-	-	" 289
Nallakundalapalli	-	-	" 237	Sinnapapampatti	-	-	" 100
Nallappanayakkampatti	-	-	" 122	Sinnatimminayanipalli	-	-	" 228
Naralapalli	-	-	" 236	Sinnattippalam	-	-	" 137
Naralasandampatti	-	-	" 149	Sinnamattur	-	-	" 139
Nattakayam	-	-	" 130	Sintakumpalli Goddaleri	-	-	" 208
Paiyur	-	-	" 308	Sintakumpalli Maharajagadai	-	-	" 238
Panakamuttalu	-	-	" 318	Sonarahalli	-	-	" 120
Papparappatti	-	-	" 16	Sukarandahalli	-	-	" 303
Parur	-	-	" 42				

Sundekuppam -	No. 285	Tippanur (Tippanur) -	No. 79
Sunnampalli -	125	Tirunadampatti -	31
Tadampatti -	64	Toppadikuppam -	82
Takkepalli -	251	Tukkojanahalli -	13
Taliyur -	317	Uchanahalli -	10
Tandekuppam -	265	Uliganattam -	221
Tapasimaranahalli -	300	Vadamalaipatti -	77
Tattaikkallu -	84	Valavalappatti -	18
Tellabanda -	179	Valippatti -	133
Tellanahalli -	11	Varattanahalli -	316
Teruhalli -	292	Varattanapalli -	219
Tesupalli -	229	Velampatti -	86
Timmapuram -	287	Velavalli -	131
Timminayakkampatti -	80	Venkatapuram -	185
Timminayanipalli -	188	Vennampalli -	224
Tinnalur -	36	Veppalampatti -	93
Tippampatti (Baletottam) -	72	Virappampatti -	63
Tippampatti Nattakayam -	128	Vottapatti -	115
Tippanur Sandapuram -	295		

#### 4. Villages in Namakkal Taluk:

Agraharavarkarai -	No. 23	Pettaipalayam -	No. 45
Agraharavudnppam -	98	Pillaiyarpalayam -	11
Anjalam -	30	Pillaturai -	16
Arasanattam -	38	Piramadanpalayam -	47
Ariyur -	46	Pongalayikombai -	8
Bommanapalayam -	68	Pottanur -	62
Dattadripuram -	95	Poyyeri -	52
Devanur -	21	Pulancheri -	31
Devarayasamuttiram -	61	Puliyamsolaikombai -	7
Kadiranellur -	102	Punjaikondalam -	69
Kalangani -	99	Punjaiyedaiyarmelmugam -	50
Kallattukombai -	5	Punjaivudaiyarkilmugam -	57
Kannurpatti -	101	Ramadevan -	88
Karadipatti (2 parts) -	94	Rudrakshakombai -	9
Karukudi -	13	Saniyapatti -	54
Kolaram -	86	Sarkarvurkarai -	24
Koppanapalayam -	63	" -	89
Kottamangalam -	71	Sarkarkuttukadn -	60
Kumarapalayam -	49	Sekkadinattam -	29
Kurumbamahadevi -	72	Sembamadai -	26
Mahadevi -	25	Sengampattikombai (2 parts) -	2
Manikkanattam -	78	" -	3
Maniamangalappatti (2 parts) -	44	Serunattikovil -	73
Maniyanur -	85	Sindalamkombai -	10
Melsattamkur -	81	Suklampattikombai -	1
Mogavanur -	42	Talakarai -	87
Morupatti -	12	Tanattampatti -	96
Murtinayakkampatti -	35	" (2 parts) -	92
Nallamattikombai -	6	Tataiyangarpettai -	22
Nallur -	84	Vadamalaipatti -	15
Nanjaiyudaiyar -	51	Valaiyeduppu -	18
Nungalikondalam -	67	Valasiramani -	28
Paittamparai -	19	Vellalapatti -	77
Pandamangalam -	65	Vellayapatti -	27
Parali -	37	" -	34
Paramatti and Kattupalayam -	55	Velur -	58
Pasarikombai -	4	Vengarai -	66

Viranapalayam -	-	No. 75	Yerappumogavanur (2 parts) -	No. 43
Voravandur -	-	" 39	Yirukur -	" 74
Vuradaiyapatti -	-	" 14	Zaptipandamangalam -	" 64
Yedumbankulam -	-	" 53	Zaptisirukalai -	" 90
Yelayapuram -	-	" 91		

5. *Villages in Oosur Taluk.*

Abari -	-	No. 80	Biyaraganhalli -	-	No. 275
Adesundalli -	-	" 148	Biyarandapalli -	-	" 87
Agaram -	-	" 46	Bodichahalli -	-	" 164
Agaram (Agraharam) -	-	" 27	Bodikuttapalli -	-	" 152
Agraram -	-	" 135	Bommandupalli -	-	" 121
Akondapalli -	-	" 65	Bottiyangamanalli -	-	" 300
Alur -	-	" 78	Budikotte -	-	" 230
Alahalli Irudukottai -	-	" 304	Chennayan (Agraharam) -	-	" 106
Alasanattam -	-	" 92	Chikkapilimuttirai -	-	" 353
Alesippam -	-	" 18	Chikkabehuru -	-	" 251
Alegasenayakanhalli -	-	" 393	Chikkamenagaram -	-	" 112
Alialam -	-	" 39	Chikkavuppanur -	-	" 399
Alikarai -	-	" 422	Chikkapilimuttirai -	-	" 315
Anasunai -	-	" 170	Chikkatimmandalli -	-	" 182
Anayanattam -	-	" 258	Chinnabenangur -	-	" 256
Andevanaalli -	-	" 306	Chinnaupparakanapalli -	-	" 16
Aniyalam -	-	" 327	Chittanur -	-	" 153
Anjalaghiri -	-	" 158	Chudasandiram -	-	" 433
Anjattidurgam -	-	" 167	Darabandiram -	-	" 361
Anthivadi -	-	" 120	Dasanpalli -	-	" 118
Anumandapuram -	-	" 75	Davasthanamkottarur -	-	" 243
Anumankallu -	-	" 425	Devarulimangalam -	-	" 333
Anumepalli (Agaram) -	-	" 142	Doddagiri -	-	" 90
Arasakuppam -	-	" 254	Doddamanagaram -	-	" 113
Arasanatti -	-	" 127	Doramuttukondapalli -	-	" 290
Arattakur -	-	" 298	Elaisandiram -	-	" 395
Archalli -	-	" 336	Ennikarai -	-	" 264
Arevonnuhalli -	-	" 453	Ganganahalli -	-	" 462
Aruhalli (1st part) -	-	" 439	Gavurasandiram -	-	" 242
" (2nd " ) -	-	" 407	Gollahalli Javalikarai -	-	" 416
" (3rd " ) -	-	" 423	Gollahalli Attarani -	-	" 314
Aruhallitalavu -	-	" 199	Gollapalli -	-	" 252
Attalavadi -	-	" 405	Gongasettihalli -	-	" 307
Attikottai -	-	" 229	Gopanahalli -	-	" 266
Avalampalli -	-	" 89	Gopasandiram -	-	" 32
Avelapalli -	-	" 9	Gundukummanur -	-	" 154
Averahalli -	-	" 427	Guruparahalli -	-	" 400
Ayiranapalli -	-	" 19	Gurusana (Agraharam) -	-	" 406
Bagutharapalli -	-	" 74	Jakkanhalli -	-	" 196
Bagur -	-	" 136	Jambupalli -	-	" 130
Bairamangalam -	-	" 161	Jangalkundu Onnapalli -	-	" 295
Bandapuram -	-	" 147	Jayadevapuram -	-	" 392
Bandesavuram -	-	" 259	Jigur -	-	" 117
Basthi -	-	" 91	Kadirapalli -	-	" 50
Bekepalli -	-	" 143	" -	-	" 77
Belur -	-	" 289	Kaduidi -	-	" 1
Bevanattam -	-	" 205	Kakkatasam (Agraharam) -	-	" 329
Beyadarapalli -	-	" 139	Kalikapasanthiram -	-	" 245
Binasandiram -	-	" 409	Kallabanda Tummanaalli -	-	" 8
Biranayakavalli -	-	" 276	Kallualli -	-	" 379
Birjapalli -	-	" 157	Kampatti -	-	" 375

Kanavanalli -	-	No. 377	Marrinayakkanalli -	-	No. 330
Kanalcheruvu -	-	" 137	Marutanapalli -	-	" 294
Kandaganhalli -	-	" 337	Masinaikkamalli -	-	" 271
Kannasandiram -	-	" 25	Matta (Agraram) -	-	" 124
Kappiganhatti -	-	" 181	Mattaghiri -	-	" 101
Karadikutti -	-	" 21	Mekalachinnampalli -	-	" 320
Karapalli -	-	" 71	Melaparnatavani -	-	" 414
Karavanapalli -	-	" 83	Melemattukottai -	-	" 335
Karandahalli -	-	" 318	Menakarapalli -	-	" 100
Kariyakalatti -	-	" 14	Menakarapalli (Agraharam) -	-	" 146
Karkondapalli -	-	" 63	Morasur (1st part) -	-	" 150
Kasiagraram -	-	" 288	" (2nd " ) -	-	" 145
Kasuvakatta -	-	" 73	Mottakaram -	-	" 396
Kattakondapalli -	-	" 122	Mugalur -	-	" 269
Kattiyalam -	-	" 173	Mugasibarandur -	-	" 272
Kallukurampalli -	-	" 20	Mukondapalli (1st part) -	-	" 125
Kavudanpalli -	-	" 48	" (2nd " ) -	-	" 126
Kelamangalam -	-	" 180	Mullunaballi -	-	" 317
Kemmattihalli -	-	" 419	Musivanhatti -	-	" 469
Kempatthapalli -	-	" 356	Muttur -	-	" 381
Kenasur -	-	" 43	Nagamangalam -	-	" 11
Kendakenahalli -	-	" 324	Naganayakkanaalli -	-	" 151
Kethunayakkanalli -	-	" 51	Nagappa (Agraharam) -	-	" 261
Kistnapuram -	-	" 35	Nagasandiram -	-	" 368
Kumbatti -	-	" 369	Nagathuti -	-	" 3
Kodikarahalli -	-	" 436	Nagenhalli -	-	" 204
Komaranpalli -	-	" 114	Nakondapalli -	-	" 105
Komichanhalli -	-	" 166	Nalaknurgi -	-	" 40
Kommepalli -	-	" 58	Nalikchedda -	-	" 95
Konasandiram -	-	" 175	Nalikchedda (Agraharam) -	-	" 96
Kondayanagraharam -	-	" 403	Nallappakavundampalayam -	-	" 15
Kopasandiram -	-	" 192	Nandimangalam -	-	" 85
Koranur -	-	" 374	Navuthi -	-	" 99
Korattaghi -	-	" 285	Nayaganapalli -	-	" 45
Kottahatti -	-	" 202	Nirlatti -	-	" 355
Kottibarandur -	-	" 273	Niyanappanatti -	-	" 235
Kottur -	-	" 325	Ondikondapalli -	-	" 17
Kubisandiram -	-	" 265	Ovepalayam -	-	" 56
Kudumaganaalli -	-	" 23	Onnalnadi (2 parts) -	-	" 64
Kullasamanahalli -	-	" 10	" -	-	" 60
Kummalu -	-	" 451	Onnatti -	-	" 380
Kummala (Agraharam) -	-	" 452	Onnupalli -	-	" 270
Kummalapuram -	-	" 463	Onnupalli (Agraharam) -	-	" 287
Kundalanayakanahalli -	-	" 339	Oosoor -	-	" 128
Kunikkal -	-	" 364	Osahalli Pachapanhutti -	-	" 197
Kuttur -	-	" 263	Osahatti Saragahalli -	-	" 278
Lakkanaalli -	-	" 159	Osakistnapuram -	-	" 378
Lalikkal -	-	" 24	Osakotti -	-	" 59
Lingakattiranapalli -	-	" 246	Osapuram -	-	" 262
Magadi -	-	" 239	Osatti -	-	" 297
Makalachinnampalli -	-	" 2	" -	-	" 376
Malasani (1st part) -	-	" 321	Osahalli Pennikkal -	-	" 163
" (2nd " ) -	-	" 323	Pachapanhatti -	-	" 201
Mallasamnthiram -	-	" 424	Pairakundahalli -	-	" 370
Mallikutai -	-	" 420	Palayabogaranaballi -	-	" 54
Mallinayakampalli -	-	" 42	Pallakarai -	-	" 282
Maniyambadi -	-	" 225	Panaalli Panahalli -	-	" 331
Marikkallu -	-	" 435	Panapalli -	-	" 82
Marikavundanalli -	-	" 249	Panjatesarapuram -	-	" 284



Paripettam - - -	No. 312	Suthiyalam - - -	No. 103
Pathakotti - - -	" 41	Talaehenur - - -	" 134
Pennikkal - - -	" 162	Tammapuram - - -	" 465
Periyaberiakondapalli - - -	" 107	Tasirhallikottamedu - - -	" 432
Periyalaehchaghirri - - -	" 138	Tavarakkarai - - -	" 108
Perumapalli - - -	" 84	Tesattihalli - - -	" 468
Pethuratti - - -	" 250	Tavarajasandriam - - -	" 440
Pettabasapalli - - -	" 354	Thandari - - -	" 286
Pettaganapalli - - -	" 44	Thasanapalli - - -	" 26
Pielhakundarahalli - - -	" 168	Thasanapuram - - -	" 7
Pikkisetthalli - - -	" 283	Thasarihalli - - -	" 55
Podasandiram - - -	" 187	Thavarakkari - - -	" 322
Podur - - -	" 38	Thinnabaranthur - - -	" 268
Ponnappalli - - -	" 30	Thiyarana Thuragam - - -	" 52
Pūliyanapalli - - -	" 4	Thoddanpparganapatti - - -	" 13
Puliyampatti - - -	" 291	Thoddakoddalli - - -	" 373
Punnamangalam - - -	" 385	Thonapanda - - -	" 70
Punapalli - - -	" 115	Timmasamudram - - -	" 111
Ramapuram - - -	" 464	Timmasandiram, &c. - - -	" 244
Ramasandiram - - -	" 308	Timmenahatti - - -	" 216
Rungapandita (Agraharam) - - -	" 98	Tippeppalli - - -	" 81
Rayasandiram - - -	" 476	Tippenagraharam - - -	" 402
Sammappattichokottai - - -	" 226	Tirushanegoninda Agraharam - - -	" 141
Samanapalli - - -	" 76	Tirnnasappalli - - -	" 34
Snaakolanattam - - -	" 172	Toddabenangar - - -	" 257
Sandanur - - -	" 373	Toddattammandahalli - - -	" 183
Sadanahalli - - -	" 460	Toddareddipalayam - - -	" 397
Sangenhalli - - -	" 438	Toddarayasandiram - - -	" 434
Sangita (Agraharam) - - -	" 293	Togari (Agraharam) - - -	" 371
Sandirasegaramadam - - -	" 255	Toranapettam - - -	" 155
Sandinayakkanalli - - -	" 328	Tukkanhalli - - -	" 200
Sandapuram - - -	" 131	Tuppuganapalli - - -	" 47
Sanamanu - - -	" 37	Uchinaalli - - -	" 382
Sappayapuram - - -	" 299	Ulibiranapalli - - -	" 110
Sapuram - - -	" 191	Ulimangalam - - -	" 296
Sarandahalli - - -	" 359	Upparanapalli - - -	" 22
Semadarahanahalli - - -	" 160	Uttinapalli - - -	" 49
Sennattur - - -	" 72	Uralakkasandiram - - -	" 301
Sennasandriam - - -	" 360	Vaderahalli - - -	" 189
Sendrapuram - - -	" 386	Vanaganahalli - - -	" 350
Settipalli - - -	" 404	Vanamangalam - - -	" 281
Settihalli Ponnikkal - - -	" 190	Varaganapalli - - -	" 5
Settihalli Settihalli - - -	" 352	Varakavasamudram - - -	" 53
Settipalli - - -	" 144	Vattarapalaiyam, &c. - - -	" 417
Sinigirihalli - - -	" 57	Vattarapalaiyam Ausubalu - - -	" 444
Sinanahalli, &c. - - -	" 363	Vattavadi - - -	" 238
Sinnayelachehegherri - - -	" 129	Vayasa (Agraharam) - - -	" 332
Sirutimmanalli - - -	" 292	Virasandiram - - -	" 466
Sirani (Agraharam) - - -	" 326	Vulumaramhalli - - -	" 391
Sittanapalli - - -	" 132	Vunisenattam - - -	" 450
Somandapuram - - -	" 97	Vupparayanapalli - - -	" 334
Somesvarahalli - - -	" 401	Yedapalli - - -	" 102
Sudakondapalli - - -	" 67	Yadayanallur (2 parts) - - -	" 104
Sudavadi - - -	" 94	Yerandahalli - - -	" 69
Sujalatti - - -	" 12	Yerattamaganpalli - - -	" 93
Sundatti - - -	" 79	Yirutalam - - -	" 169

## 6. Villages in Salem Taluk.

Achehankuttapatti -	No. 161	Jegadevanpatti -	No. 237
Adimalaippatti -	133	Kadampatti (2 parts)* -	312
Acyodiyapattnam -	145	Kalkurichi -	2
Agraharanattarmangalam -	169	Kalipatti -	275
Agraharapulaveri -	105	Kalippatti* -	301
Aiyyamperumampatti or Palayur -	223	Kallankulam -	29
Akkarapalayam -	101	Kalparappatti -	91
Akkarapatti -	50	Kamalapuram -	246
Alampatti -	59	Kaminayakampatti -	236
Alavappatti -	56	Kamalappatti -	136
Amarakundi* -	314	Kanjinayakkampatti or Mettur* -	248
Amaram* -	268	Kaukatti, Alia -	191
Ammapalayam -	120	Kariehchippatti -	197
Anaikattipalayam -	34	Karikkapatti -	320
Anaikavundanpatti -	227	Karippatti -	171
Anaikkuttippatti -	90	Karuppanampatti* -	302
Andagalur -	35	Karuppur (3 parts) -	231
Anantakistnarayasamudram -	40	Kasavareddipatti or Karukkam-	
Anantakavundanpalayam -	71	patti* -	315
Anaippalayam -	37	Kasuba, Omalur* -	306
Anuppur -	182	Kattaleriyampatti* -	300
Aramannur -	160	Kattirippatti -	158
Aranganur, Pullanur* -	279	Kattuvelappatti or Seshansa-	
Ariyakkavundanpatti -	195	vadi -	177
Ariyakkavundanpalayam -	13	Kavarukkalpatti -	173
Ariyakkavundanpatti -	210	Kejjalanayakkampatti or Virasa-	
Ariyampalayam -	102	missattiram Pudur -	113
Ariyampatti* -	318	Kerppatti -	190
Arurpatti, or Kanakkampatti* -	316	Kidandampatti -	43
Attanur -	32	Kirapappampatti Japthi -	219
Attavanaipalaveri† -	106	Kogaippatti (2 parts)* -	327
Adaiyampatti -	78	Kolanaikanpatti* (1860)‡ -	289
Aipalayam -	31	Kollappatti -	232
Ayappalayam -	46	" -	196
Banapuram* -	281	" -	164
Birozi -	98	Kollattukkombai -	184
Bodinayakampatti -	207	Komarapalayam -	64
Dalavappatti -	212	" -	140
Dasasamuddiram* -	254	Kombadappatti -	92
Dasinaikanpatti -	153	Konakollampatti (2 parts) -	244
Edayappatti* -	329	Konamadugu -	129
Elampillai -	95	Kondalampatti -	109
Elattur* -	258	Koneripatti -	26
Elavampatti* -	322	Kongupatti or Vaduguteruvu -	267
Ellappalayam -	47	Koppampatti -	45
Enadi (3 parts)* -	278	Koppam* -	283
Eramanaikkampalayam -	68	Kottanur -	204
Eravadi, Pettampatti -	117	Kottakkavundanpatti -	228
Errasinnapatti -	115	Kottumettuppatti or Omalur* -	304
Ettimanikkampatti -	84	Kudattupatti -	167
Gundukkal* -	265	Kuguttappatti* -	252
Ichampatti -	4	Kulvelampatti -	36
Irusanampatti or Sannangiri -	81	Kunnamnayagampatti or Mut-	
Jagganaykampatti -	39	tuppatti* -	305

\* These villages, according to the maps, are in Omalur Division.

† This village, according to the map, is in Rasipur Division.

‡ See also Kollanayagampatti (Omalar Div.). (1861.) No. 289.

Kappanur - - -	No. 162	Nayanampatti - - -	No. 80
Kuralnattam - - -	" 128	Neikkarapatti - - -	" 107
Kurichapatti - - -	" 186	Nelvarapatti - - -	" 111
Kurukkampatti or Sinnakuruk-		Nirmullikuttai - - -	" 181
kampatti* - - -	" 325	Pachal - - -	" 41
Kuttaladampatti - - -	" 61	Pachudaiyampalayam - - -	" 12
Kunnamampatti - - -	" 198	Pachchanampatti* - - -	" 307
Kuttappatti* - - -	" 284	Palabakki - - -	" 303
Laguvampatti - - -	" 194	Palanpatti - - -	" 99
Madiyampatti - - -	" 54	Palapatti - - -	" 166
Malayalapatti - - -	" 142	Palantinnippatti - - -	" 57
Mallamuppampatti - - -	" 211	Pallavanaikampatti - - -	" 63
Mallaravuddanpatti - - -	" 215	Pallippatti* - - -	" 271
Malliyakkuttappatti or Nasired-		Pallipatti - - -	" 1
diyur* - - -	" 296	Pallippatti - - -	" 154
Malliyakkutti* - - -	" 295	Pallittervupatti - - -	" 123
Malliyampatti - - -	" 21	Panamaratuppatti - - -	" 124
Malliyampalayam - - -	" 62	Panikkanur* - - -	" 321
Mallur - - -	" 65	Pannappatti* - - -	" 253
Manallakkavundampatti Mazra		Papambadi* - - -	" 330
Koppappatti* - - -	" 282	Papparpatti - - -	" 75
Manguppai - - -	" 224	Paranattamangalam - - -	" 108
Manattal (2 parts)* - - -	" 297	Parappatti - - -	" 114
Mannaikkanpatti - - -	" 179	Pasuvanattampatti - - -	" 118
Maralayampalayam - - -	" 77	Pattanam - - -	" 24
Maramangalampatti - - -	" 220	Pattanamuniyappanpalayam - - -	" 23
Maramangalam (3 parts)* - - -	" 298	Pedaripatti - - -	" 44
Mativelampatti - - -	" 58	Peddampatti - - -	" 200
Meelcheri (2 parts)* - - -	" 276	Periyagarundapuram - - -	" 144
Mettuppatti Kulippatti - - -	" 175	Periyaguttimadugu - - -	" 193
Mettupatti Tadannur - - -	" 148	Periyasiragappady - - -	" 85
Minnampalli - - -	" 147	Periyeripatti - - -	" 310
Mnduturai - - -	" 218	Periyasoragai or Kosappatti* - - -	" 293
Mukkannur* - - -	" 256	Perumapatti - - -	" 203
Mukkuttipalayam - - -	" 119	Perumakavundanpatti - - -	" 97
Mullakallur - - -	" 74	Perumakavandanpalayam - - -	" 7
Mulppalipatti - - -	" 17	Perumapalayam - - -	" 152
Mungilpadi - - -	" 233	Pettampatti† - - -	" 82
Muniyappampalayam or Kuch-		Pillanallur - - -	" 48
chikkadu - - -	" 19	Ponkurichi - - -	" 49
Murungappatti - - -	" 199	Ponparappipatti - - -	" 70
" - - -	" 38	Ponnarkudal (5 parts)* - - -	" 261
Muttanapalayam - - -	" 76	Porasalapatti - - -	" 53
Muttampatti - - -	" 178	Pottaneri Nallakkavundampatti* - - -	" 288
Muttukalipatti - - -	" 33	Pottipuram - - -	" 245
Nabilattukombai - - -	" 131	Pudur - - -	" 139
Nachippatti - - -	" 73	" - - -	" 22
Nachchanampatti* - - -	" 259	" - - -	" 159
Naduppatti - - -	" 52	" * - - -	" 287
" * - - -	" 260	Pudduppalayam - - -	" 28
Nallampatti - - -	" 216	Pudupatti - - -	" 18
Namaghirippettai - - -	" 15	Pujarippatti* - - -	" 255
Nangappalli - - -	" 285	Pukkampatti* - - -	" 277
Nanikkalpatti - - -	" 112	Puliyampatti - - -	" 229
Naranampalayam - - -	" 242	Pulutikkuttai - - -	" 187
Narasozippatti - - -	" 208	Pumandappatti - - -	" 217
Nayagampatti (2 parts) - - -	" 201	Pungamaduvu - - -	" 188

\* These villages, according to the maps, are in Omalur Division.

† This village, according to the map, is in Rasipuram Division.

## II. TALUK MAPS.

Map of the MUSARI TALUQ, Trichinopoly District. Reduced from the maps of the Revenue Survey executed in 1858 and '59, by Capt. W. H. Hessey, 21st. M. N. I., Deputy Supt. Rev. Survey; Messrs. W. Beaumont, and B. C. Leggatt, Assist. Supt. Madras, 1863. *Scale, 1 mile to 1 inch; on 3 sheets, size, 42 inches by 53.*

Map of the PERAMBALUR TALUQ, Trichinopoly District. Reduced from the Maps of the Revenue Survey executed in 1856 and '58, by Lieut. W. H. Hessey, 21st. M. N. I. Deputy Supt. Revenue Survey; and Lieut. R. T. Pratt, 84th Foot, Assist. Supt. Lithographed at Madras, June 1862. *Scale, 1 mile to 1 inch; on 4 sheets; size of each, 30 inches by 27.*

Map of the TRICHINOPOLY TALUK, Trichinopoly District. Reduced from the maps of the Revenue Survey executed in 1859 and '60 by Capt. W. H. Hessey, 21st M. N. I., Deputy Supt. Revenue Survey. *Scale, 1 mile to 2 inches; on 9 sheets; size, 6 feet 6 inches by 7 feet 6 inches.*

Map of the UDIARPALLAM TALUQ, Trichinopoly District. Reduced from the Maps of the Revenue Survey executed in 1856 and '57 under the Superintendence of Capt. F. J. B. Pristley, 74th Highlanders. Lithographed at Madras, 1862. *Scale, 1 mile to 1 inch; on 4 sheets; size of each, 32 inches by 27.*

\* \* \* With a Tabular List of Istimzar (permanently settled) and Government Villages in the Taluq, giving their area, and extent of cultivation.

## III. HYDROGRAPHIC MAP.

Hydrographic Map of the MUSARI TALUQ in the Trichinopoly District. Reduced from the Revenue Survey Maps, 1858 and '59. *Scale, 1 mile to 1 inch; size, 44 inches by 56.*

### VILLAGE MAPS arranged in Taluks.

#### I. Villages in Kulittalei Taluk.

Ainuttimangalam	-	-	No. 30	Kariyappanaikkanpettai	-	-	No. 29
Amayapuram	-	-	" 103	Karuppattur	-	-	" 38
Ambasamudram	-	-	" 37	"	-	-	" 38½
Aniyapur	-	-	" 85	Karuppur	-	-	" 116
Araehampatti	-	-	" 74	Kattalai	-	-	" 55
Balarajapuram (2 parts)	-	-	" 56	Kilvaliyur	-	-	" 90
"	-	-	" 57	Kistnapuram (2 parts)	-	-	" 50
Chittilavai (2 parts)	-	-	" 51	"	-	-	" 61
"	-	-	" 62	Kosur	-	-	" 68
Chittipatti	-	-	" 109	Kuluttalai	-	-	" 17
Devarmalai	-	-	" 67	Kumaramangalam	-	-	" 14
Elamanam	-	-	" 115	Kumaravadi	-	-	" 114
Enadimangalam	-	-	" 24	Mahatanum	-	-	" 47
Ettuchi	-	-	" 1	Malaiyampatti	-	-	" 108
Gudalur	-	-	" 71	Manattattai	-	-	" 27
Inungur	-	-	" 10	Manuvasi (2 parts)	-	-	" 60
Iraniyamangalam	-	-	" 12	"	-	-	" 60½
Kalaiyampatti	-	-	" 66	Mangananattam	-	-	" 38½
Kalladi	-	-	" 89	Manganaikkanpatti	-	-	" 65
Kallai	-	-	" 72	Marudur	-	-	" 13
Kallapalli	-	-	" 35	Mattaghiri	-	-	" 81
Kalugur	-	-	" 70	Mayanur	-	-	" 53
Kammananellur	-	-	" 48	Melvaliyur	-	-	" 77
Kannudayampatti	-	-	" 105	Mogavanur	-	-	" 101

Mudalapatti - - -	No. 3	Ranganadapuram (2 parts) - - -	No. 54
Muddubalasamudram (3 parts) - - -	18	" " - - -	59
Muddurungapatti - - -	64	Rajandartirumalai - - -	75
Nadupatti (2 parts) - - -	112	Rajendram (2 parts) - - -	15
" " - - -	115	" " - - -	19
Naganur - - -	79	Reddiyapatti - - -	110
Nallampillai - - -	97	Sekkanam - - -	111
Nallur - - -	11	Sengal - - -	63
Nangavaram - - -	7	Sevalur - - -	104
Nandakottai (2 parts) - - -	45	Sindalavadi - - -	44
" " - - -	46	Sivayam - - -	22
Neidulur - - -	9	Sukkompatti - - -	71½
Padaripatti - - -	88	Tannirpalli - - -	16
Panaiyur - - -	5	Tavalaverampatti - - -	100
Panjapatti - - -	42	Timmachipuram - - -	32
Pannapatti - - -	118	Tiruchirpur - - -	9
Papakkapatti - - -	40	Tirukkampuliyur - - -	52
Parali - - -	20	Tiruvanganadapuram - - -	31
Pazbaiyakottai - - -	102	Togamalai - - -	73
Periyapatti - - -	94	Tondamanganam - - -	80
" " - - -	99	Toppampatti - - -	96
Pillaipalaim - - -	36	Vadacheri - - -	91
Poduraenttanpatti - - -	41	Vadiyam - - -	28
Porundalur - - -	87	Vaighainellur - - -	23
Poyamani - - -	8	Vaiyampatti - - -	110
Poyyapatti - - -	106	Vayalur - - -	39
Poyyaputtur - - -	49	Vellalapatti - - -	84
Pudukottai - - -	113	Venkakurichi - - -	107
Pullur - - -	93	Virarakkiyam - - -	58
Puttanattam - - -	117	Viriyapalayam - - -	43
Puttur - - -	76		

## 2. Villages in Musari Taluk.

Adanur (3 parts) - - -	No. 74	Chinnamareddipalaim - - -	No. 29
" " - - -	153	Chittambur - - -	139
" " - - -	130	Chittur - - -	192
Aiyampalayam - - -	163	Chokkanadapuram - - -	77
Alagarburi (2 parts) - - -	107	Devageri - - -	221
" " - - -	109	Edamalai - - -	27
Alagari (2 parts) - - -	186	Elandalaputti - - -	43
" " - - -	188	Elarpatti - - -	212
Alathudaiaganpattai - - -	112	Eragudi - - -	119
Ammapalayam - - -	21	Erikkalam - - -	193
Amur (2 parts) - - -	140	Evur - - -	146
" " - - -	143	Gavuttanur - - -	208
Angiyam - - -	110	Gengoramasattiram - - -	56
Appananellur - - -	179	Gopalasamudram (2 parts) - - -	86½
Arangur - - -	210	Ichampatti Koliyampatti - - -	75
Arasalur - - -	206	Ilapaiyur - - -	60
Ariyanampettai - - -	190	Kaduvetti - - -	225
Ayigudi - - -	34	Kalarampatti - - -	20
" " - - -	34	Kalattur - - -	42
Badarpettai - - -	83	Kalladipatti - - -	134
Balakistnampettai - - -	104	Kalingamudayanpatti - - -	80
Bommanupadi - - -	3	Kalapalayam - - -	33
Chatteramanai - - -	2	Kanaganaickanpoliem - - -	184
Chettikolam - - -	4	Kannanur - - -	129

Kanniyagudi - - -	No. 36	Nattam - - -	No. 215
Karaikkadu - - -	" 205	Nattarmangalam - - -	" 5
Karegali (2 parts) - - -	" 120½	Nedungur - - -	" 9
Kariyamanikkam - - -	" 37	Neiveli - - -	" 148
Karuppudayampatti - - -	" 97	Neikolam - - -	" 10
Karuppampatti - - -	" 124	Nottavelamputti - - -	" 106
Kilkolakkudi - - -	" 231	Olaganattam - - -	" 160
Kiripatti - - -	" 131	Omandur - - -	" 50
Kistnaburam (2 parts) - - -	" 195	Osarapalli - - -	" 93
" " - - -	" 197	Pachaperumalpatti - - -	" 105
Kodundur - - -	" 144	Pagalvadi - - -	" 64
Kodurppatti - - -	" 154	Palayur - - -	" 39
Kollur - - -	" 141	Papasamudram - - -	" 90
Kolakkudi - - -	" 180	Peramangalam - - -	" 57
Kollapatti - - -	" 79	Peramur - - -	" 164
Komalaburam - - -	" 211	Periyammanchatram - - -	" 11
Komangalam - - -	" 138	Periyakurukkai - - -	" 12
Konagambasamudram - - -	" 203	Perur - - -	" 150
Konnoppadi - - -	" 25	Pidaramangalam - - -	" 222
Konalai - - -	" 32	Pirakambi - - -	" 16
Konaselam - - -	" 142	Ponnusongambatti - - -	" 128
Konnupatti - - -	" 45	Puduppatti - - -	" 135
Kosavanpatti - - -	" 209	Puduppatti (2 parts) - - -	" 172
Kottanampatti - - -	" 132	" " - - -	" 176
Kottukolam - - -	" 68	Puder - - -	" 228
Kottuvaikottampatti - - -	" 78	Pudusiruganur - - -	" 63
Koppampatti (2 parts) - - -	" 95	Pulivalam - - -	" 58
" " - - -	" 100	Puttanampatti - - -	" 48
Kottapalayam - - -	" 102	Puttur - - -	" 149
Kottattur - - -	" 47	" " - - -	" 214
Kottur - - -	" 145	Rangachereddipudupatti - - -	" 87
Kottayur - - -	" 81	Ranganadapuram (2 parts) - - -	" 262
Kurur - - -	" 18	" " - - -	" 198
Kuttanur - - -	" 6	Ranganadapuram - - -	" 230
Mabendramangalam - - -	" 199	Reddipatti - - -	" 111
Mangalam - - -	" 157	Sandanapatti - - -	" 72
Maniyakurichi - - -	" 8	Sangampatti - - -	" 82
Manumbarai - - -	" 66	Sanamangalam - - -	" 14
Manamodior Tirurampuram - - -	" 185	Sattanur - - -	" 61
Maradi - - -	" 91	Sendamungudi - - -	" 162
Maramreddipalayam - - -	" 13	Sedevimangalam - - -	" 7
Mavalanga - - -	" 156	Sendapalayam - - -	" 174
Mavanur - - -	" 67	Sinivasanellur - - -	" 194
Mayampatti - - -	" 125	Sipalayaputtur (2 parts) - - -	" 226
Mottayampoliem - - -	" 46	Sipuram - - -	" 38
Mullipadi - - -	" 189	Siruganur - - -	" 30
Murungaikulattur - - -	" 217	Sirugudi - - -	" 51
Murugai - - -	" 220	Sirunagalur (3 parts) - - -	" 113
Musarai - - -	" 173	" " - - -	" 115
Muttiyanellur - - -	" 159	" " - - -	" 117
Naduvalur - - -	" 62	Siruputtur - - -	" 54
Nagalapuram - - -	" 44	Siruvayalur - - -	" 19
Nagayanullur - - -	" 98	Sittalarai - - -	" 181
" " - - -	" 216	Sobanapuram - - -	" 94
Nakkasalam - - -	" 22	Striramasamudram (2 parts) - - -	" 219
Nallayampatti - - -	" 133	" " - - -	" 227
Nandigramam (2 parts) - - -	" 114	Sukkampatti - - -	" 71
" " - - -	" 116	Sundakkay - - -	" 170
Narasingapuram - - -	" 229	Surampatti - - -	" 178

Tadambatti - - -	No. 182	Vadakuveli - - -	No. 76
Talugai - - -	99	Vairisettipalayam - - -	101
Taludalapatti - - -	53	Valaiyur - - -	15
Tandalai - - -	136	" - - -	52
Tenur - - -	41	Valaiyanur - - -	73
Tinnakonam - - -	147	Valavandi - - -	158
Tinnanur - - -	59	Varadarajapuram - - -	201
Tiruttalaiyur - - -	152	Vellukkupatti - - -	40
Tiruvengamalai (2 parts) - - -	183	Vellur - - -	169
" " - - -	187	Velur - - -	1
Tolurpatti - - -	213	Velambatti - - -	108
Tottiyam (4 parts) - - -	191	Vengaram - - -	35
" " - - -	196	Vengamandalam - - -	70
" " - - -	200	Vengattammalsamuthram (2 parts) - - -	85
" " - - -	207	" " - - -	89
Tottipatti - - -	26	Vencatachalapuram - - -	92
Tiruttimalai - - -	137	Veralipatti - - -	23
Tulaiyanattam - - -	195	Verani - - -	55
Tumbalam - - -	177	Viramachampatti - - -	127
Uttandapatti - - -	121	Visalatchiyammalsamudram - - -	122
Uppulipuram (2 parts) - - -	96	Visvammalsamudram (2 parts) - - -	103
Vadakkupatti - - -	118		

### 3. Villages in Perambalur Taluk.

Adakkanur - - -	No. 67	Esanai - - -	No. 106
Adanur - - -	153	Gerudamangalam - - -	188
Agraram - - -	24	Ilpagudi - - -	226
Agaram Sigur - - -	10	Irrur - - -	173
Aiyarapoliem - - -	84	Kadambur - - -	97
Alambadi - - -	117	Kadur - - -	138
Alandalpur - - -	202	Kaikalattur - - -	83
Alangali - - -	71	Kaiperambur - - -	13
Alattur - - -	174	Kalakarai - - -	200
Amarosur - - -	212	Kalanivasal - - -	28
Anappadi (2 parts) - - -	189	Kalipadi - - -	169
" " - - -	218	Kalattur - - -	198
Andur - - -	132	Kalingaroyanellur - - -	1
Anugur - - -	72	Kallagam - - -	214
Arayur - - -	93	Kallai - - -	19
Arumadal - - -	125	Kallagudi - - -	209
Arumbavur - - -	99	Kanagasittur - - -	46
Arunarai - - -	165	Kamranur - - -	199
Asur - - -	128	Karaipadi - - -	16
Attaiyur - - -	12	" - - -	220
Avattur - - -	130	Karagudi - - -	36
Ayagudi - - -	38	Karumbeyam - - -	152
Ayalur - - -	170	Karai - - -	171
Brammadesam - - -	66	Kariganur - - -	54
Chalurbogam (3 parts) - - -	205	Karupattankurichi - - -	9
" " - - -	206	Kasarampatti - - -	49
" " - - -	207	Kavalpalayam - - -	160
Chinna Vadagarai - - -	76	Kilkarai (3 parts) - - -	69
Chinnavenmani - - -	147	" " - - -	107
Chokkanadapuram - - -	119	" " - - -	109
Elambalur - - -	121	Kilmuttur - - -	14
Elamur - - -	40	Kilarasur - - -	213
Erayur - - -	35	Kiliapatta - - -	17
" - - -	158	Kiliyur - - -	23

Kilayur	-	-	No. 131	Paravay	-	-	No. 37
Kiranur	-	-	" 6	Pasambalur Tenkarai	-	-	" 5
Kalaganattam	-	-	" 190	Pasambalur Vadagarai	-	-	" 52
Kalattur (2 parts)	-	-	" 198	Patangi	-	-	" 80
Komarapalayam	-	-	" 197	Payaganattam	-	-	" 113
Konagurichi	-	-	" 48	Perali	-	-	" 156
Koneripalayam	-	-	" 120	Perambalur	-	-	" 3
"	-	-	" 140	Perayur (2 parts)	-	-	" 31
"	-	-	" 232	"	-	-	" 47
Kottarai	-	-	" 195	Periyavenmani	-	-	" 146
Kottavasal	-	-	" 145	Perumattur	-	-	" 35
Kumram	-	-	" 148	Perambalur	-	-	" 162
Kurinjipadi	-	-	" 230	Perumapalayam	-	-	" 151
Kurumbalur	-	-	" 115	"	-	-	" 32
Kudalur	-	-	" 225	Perumapalayam (2 parts)	-	-	" 178
Kurambapalayam	-	-	" 194	Perunila	-	-	" 81
Kuttur	-	-	" 228	Peryavadagarai	-	-	" 77
Ladapuram	-	-	" 114	Pettainattam	-	-	" 129
Malialpatti	-	-	" —	Pilvadi	-	-	" 126
Malvai	-	-	" 204	Pilimisai	-	-	" 127
Mahadevi	-	-	" 193	Pillankolam	-	-	" 82
"	-	-	" 68	Pimbalur	-	-	" 57
Mangalam	-	-	" 45	Pinakonum	-	-	" 29
Maravanattam	-	-	" 61	Pondagoppadi	-	-	" 56
Maravattur	-	-	" 157	Pokkeni	-	-	" 112
Mattavarai	-	-	" 88	Pudukurichi	-	-	" 175
Mamlinga	-	-	" 87	Puduneduvalur	-	-	" 166
Melkurambalur	-	-	" 62	Pudupettai	-	-	" 11
Melkarai	-	-	" 108	Pulambadi	-	-	" 95
Melarasur	-	-	" 208	Puliyur	-	-	" 42
Melarattur	-	-	" 86	"	-	-	" 111
Mettal	-	-	" 221	Pumattur (2 parts)	-	-	" 92
Mottapalayam	-	-	" 64	"	-	-	" 105
Muduvattur	-	-	" 210	Puttur	-	-	" 133
Mungilpadi	-	-	" 150	"	-	-	" 154
Nagalur	-	-	" 110	Ronganadapuram	-	-	" 222
Nallarikkai	-	-	" 139	Sadarakadu	-	-	" 149
Nallur (2 parts)	-	-	" 185	Sadanavadi	-	-	" 74
"	-	-	" 186	Sarudamangalam (2 parts)	-	-	" 201
Namayur	-	-	" 34	"	-	-	" 216
Nambakurichi	-	-	" 182	Sattanur	-	-	" 196
Namai	-	-	" 21	Sattipadi	-	-	" 217
Naranmangalam and Vijaiyago-	-	-		Sengeri	-	-	" 118
palapuram	-	-	" 172	Sengonum	-	-	" 123
Narianuttam	-	-	" 224	Sillagudi	-	-	" 219
Neduvasal	-	-	" 159	Sirumattur	-	-	" 41
Nerkonam	-	-	" 78	Sirukalappur	-	-	" 184
Neykuppai	-	-	" 75	Sirukodal	-	-	" 124
Nochiyam	-	-	" 164	Siruvambur	-	-	" 192
Nuttapur	-	-	" 85	Sirunila	-	-	" 79
Odiam	-	-	" 155	Siruvachur	-	-	" 167
Ogalur	-	-	" 26	Siruvayalur	-	-	" 73
Olapadi	-	-	" 15	Sittali	-	-	" 127
Orattur	-	-	" 215	Tambai	-	-	" 43
Padalur	-	-	" 179	Temnur	-	-	" 136
Palayavetttagudi	-	-	" 141	Teronai	-	-	" 176
Palayam	-	-	" 187	Timmur	-	-	" 223
Palinganattam	-	-	" 211	Tirumangapuram	-	-	" 122
Paliyur	-	-	" 91	Tirumantorai	-	-	" 30



Tirupayar	-	-	No. 116	Varagupadi	-	-	No. 191
Tiruvilakurichi	-	-	" 177	"	-	-	" 203
Tiruvalanturai	-	-	" 50	Varagur	-	-	" 100
Tovayur	-	-	" 44	"	-	-	" 134
Toludalai	-	-	" 101	Vasistitaburam	-	-	" 2
Tolisvarapuram	-	-	" 137	Vayalur	-	-	" 8
Tonkaraimampundi (2 parts)	-	-	" 51	Vellivadi	-	-	" 53
Tondamantorai	-	-	" 102	Vellagudi	-	-	" 135
Tondapadi	-	-	" 90	Velvimangalam	-	-	" 4
Toramangalam	-	-	" 161	Vengalam	-	-	" 94
Toramangalam	-	-	" 161	Venganur	-	-	" 95
Tungani	-	-	" 63	Venpar	-	-	" 89
Tungapuram	-	-	" 18	Veppantattai	-	-	" 104
Turingipadi	-	-	" 143	Vepur	-	-	" 20
Vadakkalur	-	-	" 25	Vilamputtur	-	-	" 163
Vailapadi	-	-	" 7	Viramanullur	-	-	" 5
Valingandaburam	-	-	" 65	Visvagudi	-	-	" 103
Vannarampundi	-	-	" 58				

#### 4. Villages in Trichinapally Taluk.

Abisbegapuram (2 parts)	-	No. 446	Arasappadi	-	-	No. 182
Abisbegapuram (2 parts)	-	" 88	Ariyamungalam	-	-	" 312
"	"	" 92	Ariyur	-	-	" 50
"	"	" 97	Asur	-	-	" 276
Adavattur	-	" 350	Allur	-	-	" 387
Adigudi (2 parts)	-	" 72	Attani	-	-	" 196
Agalanga Nellur (3 parts)	-	" 422½	Bavinipattavaratti	-	-	" 103½
"	"	" 442	Chennagar	-	-	" 230
"	"	" 421	Chettiyarpettai	-	-	" 264
Agaram	-	" 290	Chillaraipattavaratti (4 parts)	-	"	" 89
Agharasidevimangalam	-	" 195	"	"	"	" 90
Ayampalayam	-	" 180	"	"	"	" 91
Aiyampatti	-	" 273	"	"	"	" 94
Alagiyamanavalam	-	" 204	Chindamuni	-	-	" 320
Alambakkamabajanam (2 parts)	"	" 3	Chinnavelakurichi (2 parts)	-	"	" 170
"	"	" 20	"	"	"	" 172
Alambakkamabajanam (3 parts)	"	" 254½	Chinnakakaruppur	-	-	" 394
Alambukkam Vullur	-	" 90	Chitragudi (2 parts)	-	-	" 423
Alambadi	-	" 1	"	"	"	" 425½
Alangudi (2 parts)	-	" 28	Damalvarubayam	-	-	" 325
Alangudimahajenamullur (2 parts)	"	" 28½	Devadanam	-	-	" 315
Alavandanellur	-	" 359	Devaroyaneri	-	-	" 275
Alandur	-	" 40	Devimangalam	-	-	" 178
Alattur	-	" 292	Edamangalam	-	-	" 34
Alvarpattavaratti	-	" 289	Edaiyapatti	-	-	" 432
Alletorai	-	" 355	Edamalapatti	-	-	" 336
Ambilkattalai	-	" 66	Edayattamogalam	-	-	" 95
Ambilehattram	-	" 65	Egaramangalam	-	-	" 376
Ammangudi	-	" 392	Elamanur (3 parts)	-	-	" 403
Ambiyampattavaratti	-	" 424	"	"	-	" 407
Amuttirayanellur	-	" 360	"	"	-	" 412
Analai	-	" 406	Elamamanakkudi	-	-	" 100
Anandanur (2 parts)	-	" 114	Ellagudi	-	-	" 302
"	"	" 424	Ennaigramam	-	-	" 436
Anandanullur	-	" 393	Esanaikarai	-	-	" 131
Angurai	-	" 101	Ettumattidal	-	-	" 367
Appatorai	-	" 146	Ettuchi Kottalai	-	-	" 188
Arasangudi	-	" 258	Genudarajanellur	-	-	" 253

Gevuripuram (3 parts) -	-	No. 405	Kottamangalam -	-	No. 343
" " -	-	" 410	Kottapatti -	-	" 298
" " -	-	" 414	Kottattai -	-	" 379
Govindapuram (2 parts) -	-	" 731 $\frac{1}{2}$	Kottarampatti -	-	" 437
Gudalur -	-	" 15	Kottarapatti -	-	" 272
" -	-	" 371	Kovalaigudi -	-	" 309
Gundur -	-	" 296	Kovandukurichi -	-	" 6
Iluppur -	-	" 433	Kovilkulmani -	-	" 398
Ingur -	-	" 169	Kugar (2 parts) -	-	" 75
Inianur -	-	" 352	" " -	-	" 76
Irungalur -	-	" 109	Kulumani -	-	" 399
Irutalaipatti -	-	" 428	Komaravayalur (2 parts) -	-	" 377
Isvarankovil -	-	" 438	" " -	-	" 383
Jangamarajapuram (2 parts) -	-	" 70	Kumalur -	-	" 37
Javandinadapuram -	-	" 125	Kurichi -	-	" 55
Kachiroyamodu -	-	" 141	Kuruvigudi -	-	" 49
Kadukkaytorai -	-	" 209	Kuttappur -	-	" 263
Kailasavagantoppu -	-	" 242	Kuttur -	-	" 152
Kalmalai -	-	" 310	Lakshumanartoppu -	-	" 246
Kalavaypatti (2 parts) -	-	" 221 $\frac{1}{2}$	Madagudi (2 parts) -	-	" 154
" " -	-	" 222	" " -	-	" 168
Kallangi -	-	" 322	" " -	-	" 167
Kalligudi -	-	" 163	Madanum -	-	" 83
" -	-	" 183	Madupuram -	-	" 111 $\frac{1}{4}$
" -	-	" 345	Magalambudi -	-	" 108
Kambarasampettai -	-	" 327	Mailadumparai -	-	" 334
Kanakiliyanur -	-	" 9	Magalikudi -	-	" 162
Kariammanikkam -	-	" 232	Malayapatti Sengasalai -	-	" 387
Kondamangalam -	-	" 40	Malavanur (2 parts) -	-	" 116
Kondayampettai -	-	" 247	Mallachipuram -	-	" 326
Konnanur -	-	" 176	Manakkal -	-	" 80
Konnagudi -	-	" 13	Montorai (5 parts) -	-	" 121
Kottagudi -	-	" 439	" " -	-	" 119
Kottur -	-	" 61	" " -	-	" 102
Kottur Kottamangalam Patla-	-		" " -	-	" 115
varttu (2 parts) -	-	" 621 $\frac{1}{2}$	" " -	-	" 105
Kalkondarkottai -	-	" 293	Mangammapuram (3 parts) -	-	" 69
Kilikudi -	-	" 254	Manganam -	-	" 267
Kiliyanur -	-	" 255	Mangudi (2 parts) -	-	" 741 $\frac{1}{2}$
" -	-	" 335	Mangudi -	-	" 11
Kilakurichi -	-	" 295	Manigondapuram -	-	" 341
Kilambil (3 parts) -	-	" 48	Manpidemangalam (2 parts) -	-	" 200
" " -	-	" 52	" " -	-	" 202
" " -	-	" 54	Mangattidal -	-	" 301
Kilmulagudi (2 parts) -	-	" 308	Mannadianellur -	-	" 193
" " -	-	" 308 $\frac{1}{2}$	Manpidimangalam (2 parts) -	-	" 200
Kilapattu -	-	" 386	" " -	-	" 202
Kilperungalur -	-	" 133	Mekkudi -	-	" 385
Kilvayalur -	-	" 366	Melkalkandarkottai -	-	" 299
Kilmugam (3 parts) -	-	" 137	Melambil (2 parts) -	-	" 31
Kilvalai -	-	" 98	" " -	-	" 68
Kistnapuram (1st part) -	-	" 96	Melmullagudi -	-	" 313
Kudappu -	-	" 330	Melputtu -	-	" 237
Kodiyalam -	-	" 402	Melsidevimangalam -	-	" 192
Konerivalur (2 parts) -	-	" 377	Melvalai -	-	" 99
" " -	-	" 383	Melvaladi -	-	" 157
Kokkarasampettai -	-	" 303	Melpandiyapuram (2 parts) -	-	" 213
Koppu -	-	" 400	" " -	-	" 223
Kottamangalam -	-	" 62	Melvayalur (2 parts) -	-	" 378

Melvayalur (2 parts)	-	-	No. 384	Papakurichi	-	-	-	No. 304
Melperungalur	-	-	" 134	Palappattorai	-	-	-	" 441
Melkilparttikal	-	-	" 53	Palayanellur	-	-	-	" 206
Melur	-	-	" 278	Pallaburam	-	-	-	" 413
Meltengal	-	-	" 191	Pambaramsutti	-	-	-	" 122
Melupattugudi	-	-	" 117	Panamangalam	-	-	-	" 186
Minachipuram	-	-	" 411	Pannangattangudi	-	-	-	" 104
Mottupatti (3 parts)	-	-	" 47	Pannangikandanpatti (2 parts)	-	-	-	" 294
" "	-	-	" 58	Panaiyapuram	-	-	-	" 250
" "	-	-	" 64	Pannaimumadisolamangalam	-	-	-	" 416
Murugur	-	-	" 48	Pannainarasingamangalam	-	-	-	" 105
"	-	-	" 52	Pannaisattamangalam	-	-	-	" 741 $\frac{1}{2}$
"	-	-	" 54	Pandamangalam	-	-	-	" 329
Murutandakurichi	-	-	" 369	Pandiyapuram	-	-	-	" 212
Murudur (2 parts)	-	-	" 113	Pannungudi	-	-	-	" 86
Mullangudi (2 parts)	-	-	" 396	Pannaimurudur (2 parts)	-	-	-	" 135
" "	-	-	" 397	" "	-	-	-	" 135 $\frac{1}{2}$
Mullal	-	-	" 33	Papagudi (2 parts)	-	-	-	" 435
Mullikarambur	-	-	" 381	Papakurichi	-	-	-	" 304
Munmadisolamangalam	-	-	" 78	Pattalpettai	-	-	-	" 265
Murangapettai	-	-	" 372	Pattamankolam	-	-	-	" 270
Mutturasanellur (2 parts)	-	-	" 370	Pattagacheri (2 parts)	-	-	-	" 59
" "	-	-	" 373	" "	-	-	-	" 63
Muttiyur	-	-	" 127	Pavaravaditerumangalam	-	-	-	" 103
Nacharkovil	-	-	" 87 $\frac{1}{2}$	Peniyakurichi	-	-	-	" 314
Nachikurichi	-	-	" 35	Perappangudi	-	-	-	" 155
Nadarajapuram	-	-	" 259	Periyavalacheri	-	-	-	" 124
Nagerapallivayal	-	-	" 118	Perungudi	-	-	-	" 361
Nagoveli	-	-	" 261	Peravalapur	-	-	-	" 10
Nagore	-	-	" 106	Perur	-	-	-	" 382
Nangamangalam	-	-	" 184 $\frac{1}{2}$	Perulur	-	-	-	" 75
Nangansengandi	-	-	" 35	Pettai	-	-	-	" 215
Nangapallivadai (2 parts)	-	-	" 187	" "	-	-	-	" 29
Namimangalam	-	-	" 79	Pichandarkovil Palayagaramand-	-	-	-	
Narasingapuram	-	-	" 307	neikuppam	-	-	-	" 150
Narasingamangalam	-	-	" 166	Pinnavasal (2 parts)	-	-	-	" 82
Nattam	-	-	" 24	" "	-	-	-	" 41
Nattamangudi	-	-	" 11	Piravalanellur	-	-	-	" 42
Nekkupai	-	-	" 107	Pirattiyur	-	-	-	" 344
Neyveli	-	-	" 226	Pongyachelli (2 parts)	-	-	-	" 190
Neringalgudi	-	-	" 120	" "	-	-	-	" 151
Nochivayal	-	-	" 284	Porattagudi	-	-	-	" 110
Nochiam	-	-	" 198	Poyyagudi	-	-	-	" 277
Nonalgudi	-	-	" 286	Pudugudi	-	-	-	" 158
Odakarai	-	-	" 167	Pudupatti	-	-	-	" 220
Olaiyur	-	-	" 338	Pudur	-	-	-	" 5
Olandangudi (2 parts)	-	-	" 205	Puduruttamunur	-	-	-	" 39
" "	-	-	" 183	Pukkartorai	-	-	-	" 225
Olimidi	-	-	" 269	Pulangudi	-	-	-	" 268
Oraiur	-	-	" 324	Pulambadi	-	-	-	" 17
Ottagudi	-	-	" 306	Pulivalam	-	-	-	" 401
Ottanur	-	-	" 164	Puliyandakurichi (3 parts)	-	-	-	" 288
Pachampettai	-	-	" 126	Punampalayam	-	-	-	" 181
Pachur	-	-	" 208	Punganur	-	-	-	" 347
Palayam	-	-	" 4	Pungampatti	-	-	-	" 434
Palambnivetu	-	-	" 236	Pungaipallivadai	-	-	-	" 174
Panungamungudi	-	-	" 279	Pungudi	-	-	-	" 346
Palapondam	-	-	" 149	Punjeisengandi	-	-	-	" 36
Palapattadaipudutiruttu	-	-	" 240	Purugamani	-	-	-	" 413

Puttambar - - -	No. 266	Tirumalaisamudram - - -	No. 339
Puttur - - -	443	Tirumalainudupattavarthi - - -	101½
Ramanadanellur - - -	368	Tirumanamodu - - -	128
Ramanujakudam - - -	56	Tirunedunkalam - - -	271
Rangachipuram - - -	408	Tirunellur - - -	440
Rapusal - - -	427	Tirplatorai - - -	251
Rettnangudi - - -	111	" - - -	409
Sandapuram - - -	351	Tirplatoraikovil - - -	404
Sattamangalam - - -	74	Tirupponjeri - - -	234
Sattambadi - - -	171	Tiruttandoni - - -	321
Sattanur - - -	337	Tiruvadasolai - - -	249
" - - -	375	Tiruvellavarai - - -	221
Sembalarai - - -	140	Tiruvarambur - - -	285
Sembarai - - -	45	Tiruvaranganellur - - -	262
Sempattu - - -	297	Tiruvarangapadi - - -	216
Sembiyanur - - -	147	Tiruvasi - - -	210
Sendamaraikamu - - -	228	Tiruvananellur - - -	243
Sengaraiyur - - -	30	Tirampalayam - - -	217
Sendanudikattalai - - -	243½	Todaiyur - - -	11
Sengudi - - -	185	Toraiyur (2 parts) - - -	136
" - - -	207	Torunallur - - -	317
Seshasamudram - - -	123	Turudgudi - - -	81
Settimangalam - - -	227	Uyyangondantirumalai - - -	33
Sirangarajapuram (2 parts) - - -	197	Uyyagondisvaram (2 parts) - - -	331
" - - -	199	" - - -	365
Sirudaiyur - - -	87	Vadgaputtur - - -	364
Sirugamur - - -	233	Vadapanguni - - -	444
Sirugamani - - -	415	Vaittur - - -	73
Sirumayangudi - - -	60	Valattiyarkolam - - -	300
Sirumarudur - - -	138	Valavanur - - -	129
Siruvayalur (3 parts) - - -	354	" - - -	112
" - - -	362	Valadi (2 parts) - - -	132
" - - -	380	Valavandankottai - - -	274
Siruvayalur (2 parts) - - -	8	Vandalai - - -	14
" - - -	16	Varaganeri - - -	318
Solagenellur - - -	333	Varagalur (2 parts) - - -	23
Solamadevi - - -	283	" - - -	2
Solanganellur - - -	229	Vayatalaikudalur - - -	231
Somarasampettai - - -	356	Velraygudi - - -	153
Sonappaganur - - -	224	Velur - - -	442
Soptorishinadanpattararodi - - -	67	Vellangar - - -	430
Tachangudi - - -	395	Vellanur - - -	43
Tachakurichi - - -	38	Vellitirumuttam - - -	241
Tadanvayal - - -	291	Velankolam - - -	256
Talagudi - - -	148	" - - -	257
Tandankarai - - -	130	Vengur - - -	287
Tappy - - -	7	Vendaroyanellur - - -	358
Tattamangalam - - -	179	Venganudi - - -	184
Tattanur (2 parts) - - -	139	Venkalachalapuram - - -	18
" - - -	149	Vettukadu - - -	429
Tayanur - - -	348	Vidivadangam - - -	311
Tengal - - -	81	Virupachipuram - - -	323
Terukitteruvu (3 parts) - - -	219	Viragudi - - -	243
" - - -	249	" - - -	160
Tillampatti - - -	218	Viramudisattinam - - -	175
Timmarayasamudram (2 parts) - - -	244	Virandanellur - - -	203
" - - -	248	Virapatti - - -	431
Tinnagonanullur - - -	21	Viresvaram - - -	245
Tinnagonamahagenam - - -	221	Vudaramangalam (2 parts) - - -	142

Vudaramangalam (2 parts)	- No. 159	Vuttamarkovil (2 parts)	- No. 194 <sup>1</sup> / <sub>2</sub>
Vuppur	- " 192	Vuttamuseri	- " 252
Vuttamarkovil (2 parts)	- " 149 <sup>1</sup> / <sub>2</sub>		

### 5. Villages in Udiarpaliam Taluk.

Adanur	-	- No. 284	Elankurichi	-	- No. 265
Adikkamuli	-	- " 317	Elayaperumanallur	-	- " 374
Adinaikurichi	-	- " 30	Elundakuttam	-	- " 231
Agaram	-	- " 34	Ellaikadanbat	-	- " 119
Ahammadabad	-	- " 140	Esanai	-	- " 258
Aiyur	-	- " 73	Eragudi	-	- " 216
Akkernratadanpettai (2 parts)	-	- " 319	Eravakudi	-	- " 48
Alagapuram	-	- " 24	Ghugivadenga Ullore	-	- " 382
Alagiyamanavalam	-	- " 269	Gopulingankudikkadu	-	- " 148
Alanduraimyarkattalai	-	- " 255	Gudalur	-	- " 88
Alayakonanteruvu	-	- " 364	Ichankkudu	-	- " 84
Alavay	-	- " 178	Ilappaiyur	-	- " 124
Alattiyur	-	- " 28	Irugaiyur	-	- " 305
Allattippallam	-	- " 57	Irungolur	-	- " 343
Amandabad	-	- " 138	Irungaroikurichi	-	- " 83
Amanukontondi	-	- " 357	Jayankondasolapuram	-	- " 349
Ambaluvankattalai	-	- " 184	Kachipperumanattam	-	- " 318
Ambapur	-	- " 155		-	- " 378
Ambupur	-	- " 177	Kadambur	-	- " 286
Ambigapuram	-	- " 328	Kadur	-	- " 145
Aminabad	-	- " 136	Kallaikkudi	-	- " 249
Amurdurayankottai	-	- " 330	Kallattur	-	- " 61
Anandaburam	-	- " 164	Kalmedu	-	- " 132
Andimadam	-	- " 69	Kallur	-	- " 246
Andepattakkadu	-	- " 280	Kauvantondi	-	- " 348
Anganur	-	- " 93	Kamarasavalli	-	- " 290
Anilkudichan	-	- " 67	Kandaridillam	-	- " 230
Annangorpettai	-	- " 322	Kanubadikurichi	-	- " 8
Annimangalam	-	- " 234	Kanganadanallur	-	- " 382
Arakkattalai	-	- " 297	Kangiyampettai	-	- " 185
Anamanekurichi	-	- " 233	Kangiyannur	-	- " 256
Aranur	-	- " 167	Kankuli	-	- " 72
Arasangeri	-	- " 271	Karaiappakkam	-	- " 235
Arasunilayittapuram (2 parts)	-	- " 181	Karaiyavetti	-	- " 215
	-	- " 283	Karakkurichi	-	- " 306
Arumuli	-	- " 307	Karayankurichi	-	- " 266
Arungal	-	- " 248		-	- " 267
Asavirankudikkadu	-	- " 112	Karikkai	-	- " 17
Attur	-	- " 146	Karunakaranallur	-	- " 139
Ayanur	-	- " 218	Karuppilakattalai	-	- " 250
Ayippaliem	-	- " 327	Karuppur	-	- " 193
Bengaikandapuram	-	- " 359	Karuppur Suttamalli and Ran-		
Chandrapalayam	-	- " 159	gasanutiram	-	- " 324
Chettikuli	-	- " 274	"	-	- " 325
Chettetirukkunnam	-	- " 186	"	-	- " 326
Chimra Nagalur	-	- " 150	"	-	- " 334
Chimraputtakkadu	-	- " 260	Karuvadacheri	-	- " 194
Chinna Valiem	-	- " 355	"	-	- " 292
Edaigakurichi	-	- " 75	Kattangudikkadu	-	- " 156
Edangani	-	- " 320	Kattuppirangiyam	-	- " 161
Edagattangudi	-	- " 188	Kattur	-	- " 135
Edukkutta	-	- " 345	Kavanur	-	- " 154
Elangacheri	-	- " 128	Kaveripalayam	-	- " 131

Kel and Mel Varappangurichi	-	No. 268	Mel Rayapuram	-	-	No. 129
Kilayur	-	" 196	Merchengalmedu	-	-	" 371
Kidarankandam	-	" 346	Mettuppalayam	-	-	" 386
Kilchengamedu	-	" 370	Meykapputteruva	-	-	" 365
Kilkavattangurichi	-	" 212	Mudegoudon	-	-	" 237
Kilimangalam	-	" 7	Muttukkolam	-	-	" 31
Kilkkudiyiruppu	-	" 352	Mullikkurichi	-	-	" 29
Kilvannam	-	" 257	Mullaiyur	-	-	" 97
Kilnaduvay	-	" 46	Manuiyengarichi	-	-	" 169
Kilnattam	-	" 179	Muttapettah	-	-	" 393
Kodali	-	" 333	Muttuserpamadam	-	-	" 373
Kodukkur, including Mel and			Nagamungalam	-	-	" 172
Terukudikkadu	-	" 76	Nagampandal	-	-	" 15
Kokkudi	-	" 201	Nakkappadi	-	-	" 122
Kolaiyanur	-	" 173	Nallanayagapuram	-	-	" 104
Kollapuram	-	" 368	"	-	-	" 190
Kommedu	-	" 351	Namankunam	-	-	" 106
Kondaburam	-	" 211	Namayur	-	-	" 289
Korattankudi	-	" 219	Nariyanur	-	-	" 270
Kosavankudikkadu	-	" 147	Nayakkarpalayam	-	-	" 170
Kottagaram	-	" 383	Naikkarpaliam	-	-	" 388
Kovilsimai	-	" 285	Naraiyur	-	-	" 149
Kovandkuli	-	" 338	Narasinkapuram	-	-	" 26
Kovil Esanui	-	" 222	Neringikkorai	-	-	" 162
Kovilkadu	-	" 225	Nettikurichi	-	-	" 47
Kovilur	-	" 276	Ninniyur	-	-	" 120
Kottikal	-	" 303	Olagalundasolan	-	-	" 372
Kovittadampettai	-	" 313	Olaiyur	-	-	" 12
Krishnaburam	-	" 134	Olagamadur	-	-	" 210
Kulamunikkam	-	" 227	Orattur	-	-	" 158
Kulattur	-	" 244	Ottakkovil	-	-	" 133
Kulavadiyan	-	" 336	"	-	-	" 282
Kulumur	-	" 103	Padanile	-	-	" 52
Kunamangalam	-	" 298	Paduvettikudikadu	-	-	" 100
Kundaveli	-	" 379	Pagalmedu	-	-	" 376
Kurichikulam	-	" 113	Paiada Nellur	-	-	" 125
Kuruvalapparcovil	-	" 358	Palanainadaburam	-	-	" 105
Kuruvadi	-	" 295	Palayappadi	-	-	" 232
Kuttangudi	-	" 315	Palayapudukkaduvettu	-	-	" 321
Madanakurichi	-	" 308	Pallicondaperumal Covil	-	-	" 380
Makammadapuram	-	" 137	Pallivadi	-	-	" 375
Mallantankolam (2 parts)	-	" 197	Palur	-	-	" 312
Manukkudaiyan	-	" 82	Panaiansendi	-	-	" 369
Manappatur	-	" 102	Panganguli	-	-	" 251
Mungamedu	-	" 238	Pappakudi	-	-	" 279
Mangaidevanallur	-	" 362	Parudur	-	-	" 53
Mangalam	-	" 64	Pasikkulam	-	-	" 214
Mannukkuli	-	" 152	Pattakurichi	-	-	" 26
Marakkalankurichi	-	" 63	Pattangurichi	-	-	" 71
Marakurichi	-	" 98	Pattavali	-	-	" 245
Marungur	-	" 78	Pattavaratti	-	-	" 126
Maravattur	-	" 117	Payyar	-	-	" 389
Mattur	-	" 291	Payalam	-	-	" 191
Melkavattangurichi	-	" 213	Perangeri	-	-	" 116
Melkudiyerppu	-	" 350	Periaya Krishnapuram	-	-	" 353
Melanikkudi	-	" 54	Periya Kurichi	-	-	" 44
Melnaduvai	-	" 70	Periya Murni	-	-	" 110
Melupaylur	-	" 199	Periya Nagalur	-	-	" 263
Melvannam	-	" 206		-	-	" 151

Periya Pattakkadu	-	-	No. 259	Sinnavulayam	-	-	-	No. 355
Periya Tirukkunam	-	-	" 187	Sirukaluttur	-	-	-	" 114
Periya Adanukurichi	-	-	" 14	Sirugudi	-	-	-	" 36
Periya Valayam	-	-	" 347	Sirutondonkani	-	-	-	" 53
Perumbandi	-	-	" 107	Sittidaiyur	-	-	-	" 109
Perumuttiyanur	-	-	" 182	Situroyanuttain	-	-	-	" 316
Perundivam	-	-	" 381	Sivaramapuram	-	-	-	" 92
Pichanur	-	-	" 356	Solkalingasvarapuram	-	-	-	" 56
Pilakurichi	-	-	" 10	Solagonkudikkadu	-	-	-	" 101
Pilaudurai	-	-	" 9	Solamadevi	-	-	-	" 329
Pillaypalayam	-	-	" 385	South Kariyankurichi	-	-	-	" 267
Piravadaipclangiyanattam	-	-	" 224	South Malattankulam	-	-	-	" 203
Ponparappu	-	-	" 115	Sinevasapuram	-	-	-	" 311
Poyyur	-	-	" 143	Sipurandam	-	-	-	" 302
Pudukaduvettu	-	-	" 387	Sullangudi	-	-	-	" 262
Pudukottai	-	-	" 228	Sundakkudi	-	-	-	" 254
Pudur	-	-	" 171	Sundresvarapuram	-	-	-	" 174
Pudupalayam	-	-	" 79	Suttamalli	-	-	-	" 204
Pukkuli	-	-	" 32	" (2 parts)	-	-	-	" 326
Pumudaiyanpatti	-	-	" 144	Talavasi	-	-	-	" 90
Pundi	-	-	" 202	Talaiyarkudikkadu	-	-	-	" 142
Puttakirawam	-	-	" 310	Taludalmedu	-	-	-	" 337
Puttur	-	-	" 205	Talur	-	-	-	" 77
Puttur (in 2 parts)	-	-	" 275	Tandalai	-	-	-	" 62
" "	-	-	" 277	Tattanur	-	-	-	" 96
Puvaniputtu	-	-	" 66	Tattur	-	-	-	" 45
Radapuram	-	-	" 29	Tavadanullur	-	-	-	" 23
Rajendrahppattanam	-	-	" 2	Tamaraippundi	-	-	-	" 81
Ramadevanullur	-	-	" 55	Telur	-	-	-	" 293
Ramanullur	-	-	" 294	"	-	-	-	" 153
Ranjiam	-	-	" 21	Temavanullur	-	-	-	" 335
Reddipalayam	-	-	" 160	Tenakkudi	-	-	-	" 332
Rudupallam	-	-	" 163	Tennatturoyapuram	-	-	-	" 127
Saliyakkurichi	-	-	" 121	Tenpatti	-	-	-	" 236
Samasinullur	-	-	" 91	Tenvikkam	-	-	-	" 60
Sammadangudi	-	-	" 192	Terkudampettai	-	-	-	" 314
Sattamangalam	-	-	" 207	Terkuvadakkuputtur	-	-	-	" 5
Sattampattu	-	-	" 68	Terukkaluppur	-	-	-	" 43
Sattiram	-	-	" 377	Teruvenganur	-	-	-	" 240
Savanduriyasolapuram	-	-	" 27	Tirukkonam	-	-	-	" 25
Segarundi	-	-	" 64	Tirumam	-	-	-	" 239
Seluppai	-	-	" 38	Tiruppayur	-	-	-	" 209
Selambur	-	-	" 33	Tiruvadatorai	-	-	-	" 89
Sembeiyakkudi	-	-	" 226	Tupapuram	-	-	-	" 339
Senapatu	-	-	" 36	Tuttur	-	-	-	" 296
Sendamangalam	-	-	" 85	Udaynattam	-	-	-	" 331
Sendurai	-	-	" 121	Udayattynur	-	-	-	" 183
Sepurundam	-	-	" 302	Ulkottai (3 parts)	-	-	-	" 342
Sengarayakattala	-	-	" 272	" "	-	-	-	" 344
Senguli	-	-	" 176	" "	-	-	-	" 360
Sennanur	-	-	" 220	Ulliyakudi	-	-	-	" 175
Sevvanum	-	-	" 130	Uyittappallam	-	-	-	" 341
Settikuli	-	-	" 274	Vadavikkam	-	-	-	" 65
Siluppanur	-	-	" 78	Vadagappalayam	-	-	-	" 243
Siluracheri	-	-	" 35	Vaippam	-	-	-	" 189
Sinnakkarikkai	-	-	" 22	Vakkaramari	-	-	-	" 323
Sinna Krishnapuram	-	-	" 51	Vallakuli	-	-	-	" 252
Sinna Melkudikkadu	-	-	" 80	Vallakurichi	-	-	-	" 309
Sinna Attukkurichi	-	-	" 1	Valandai	-	-	-	" 37

Vallam - - - No. 19	Veluppinkurichi - - - No. 118
" - - - " 20	Vembakudi - - - " 340
Vallakkulam - - - " 281	Venganur - - - " 221
Vandaroyankuppam - - - " 361	Veppanguli - - - " 198
Vannanullur - - - " 304	" - - - " 200
Vangenaparam - - - " 108	Vcttagudi - - - " 217
Vandayorankattalai - - - " 273	" - - - " 3
Vangaram - - - " 94	Vikkiramam - - - " 180
Vankudi - - - " 50	Vilagam - - - " 223
Vannankurichi - - - " 390	Virabogam - - - " 384
Vannankudikadu - - - " 4	Viragalur - - - " 208
Vannanullur - - - " 366	" - - - " 111
Varappankurichi - - - " 268	Virasalagan - - - " 363
Vayvalam - - - " 74	Vittiyur - - - " 247
Vellipiringiyam - - - " 168	Vitutudaiyam - - - " 13
Vellur - - - " 123	Yeriur - - - " 305
Velangudi - - - " 157	

## 21. VIZAGAPATAM DISTRICT.

Including two taluks with an area of 3,081 square miles, and zemindaries extending over 15,855 square miles.

A Manual of the District of VIZAGAPATAM, in the Presidency of Madras. Compiled and edited by Dr. P. Carmichael, M.C.S., Collector, Magistrate, and Agent to the Governor of Fort St. George, in Ganjam, Madras. 1869. With a map and portraits of the wild races. 8vo., cloth.

VIZAGAPATAM AGENCY. Topographical Survey, 1870, '71. *Scale, 1 inch to 1 mile.* Sheets 7, 8. See Ganjam Agency Topographical Survey, page 328.

VIZAGAPATAM and GANJAM AGENCIES Topographical Survey, 1870-71. See Ganjam Agency Topographical Survey, page 328; also Central Provinces and Vizagapatam Agency Topographical Survey, page 271.

Map of a Survey of the VIZAGAPATAM CIRCAR under the Presidency of Fort. St George. Executed during part of the years 1824, '25, '27, '28, and '29, by Capt. C. Snell, 30th Regt. M. N. I., aided by Assist. Surveyor Lieut. Otter, 28th Regt. N I., and Sub-Assistant Surveyors M. Dunnigan, T. Anderson and C. Barnet. Reduced from the original sections of that Survey. *On a scale of 2 miles to 1 inch.* S. G. O. Madras, 1833. *Size, 64 inches by 58.* MS.

VIZAGAPATAM SURVEY. *Scale, 1 mile to 1 inch.* Field Copy of 13 Sections lettered A to M. Signed J. Montgomerie, Dep. Surveyor-General. October 1830. *Size of each section various, but generally 39 inches by 26.* MSS.

Chanashaomarie of the VIZAGAPATAM DISTRICT. 1833. Oblong folio, half-bound. MS.

Map of VIZAGAPATAM DISTRICT. Revenue Survey office, Madras, 1867. *Scale, 8 miles to 1 inch; size, 30 inches by 25.*

Map of a portion of Country in the JEYPORE, KOORPUM, and PALCONDAH Zemindaries dependent on the Vizagapatam District. Surveyed in the seasons 1848-49 by Messrs. R. Howard, C. Snell and J. G. King, Sub-Assistant Surveyors. *Scale, 2 miles to 1 inch; size, 25 inches by 38.* MS.



Map of a portion of the JEYPORE COUNTRY surveyed in the season 1847-48 by Messrs. R. Howard, C. Snell, J. G. King, Sub-Assistant Surveyors. *Scale, 2 miles to 1 inch; size, 26 inches by 19.* MS.

Plan of a portion of Country of the PANCHIPENTAH ZEMINDARY in the Vizagapatam District. Surveyed in the season '1849-50 by Sub-Assistant Surveyors Messrs. C. Snell and J. G. King, under the superintendence of Mr. R. Howard, Sub-Assistant Surveyor, in temporary charge. *Scale, 2 miles to 1 inch; size, 25 miles by 19.* 2 copies. MSS.

The same on the larger Scale of 1 mile to 1 inch. ' No title. In two parts; *size of the southern part, 15 inches by 25; size of the northern part, 26 inches by 20.* MS.

### *Road Maps.*

Sketch Map showing the direction of the proposed Line from CHICACOLE to ITCHAPUR, *viâ* Simtoshaporam, and its connexion with existing communications. October 1855. *Scale, 4 miles to 1 inch; size, 18 inches by 18.* MS. tracing.

Sketch Map showing the direction of the proposed Line from CHICACOLE to CHITTIVALLA, and its connexion with existing communications. *Scale, 4 miles to 1 inch; size, 11 inches by 17.* MS. tracing.

## NATIVE PRINCIPALITIES IN MADRAS.

### *Travancore and Cochin.*

Survey of COCHIN and its Environs, by order of Government, to ascertain the Boundaries of the British Jurisdiction at that place in 1813. By Thomas Arthur, Captain of Engineers. *No scale. Size, 39 inches by 26.* MS.

The TRAVANCORE LINES, as connected with the Dutch. No title. *Scale, 3½ inches to 1 mile; size, 21 inches by 27.* MS.

Map of the Provinces of TRAVANCORE and COCHIN, with that portion of Malabar, South of the Ponany River. Reduced from the original map of that Survey, executed under the immediate superintendence of Captains P. E. Conner, and B. S. Ward, in the years 1817, '18, '19, and '20. S. G. O. Madras, 1st Sept. 1826. *Scale, 4 miles to 1 inch; size 52 inches by 30.* MS.

Skeleton Map of the PROVINCES of TRAVANCORE and COCHIN, with that portion of Malabar South of the Ponany River exhibiting the positions and names of the villages in reference to detailed map accompanying (*i.e.* the foregoing). *Scale, 4 miles to 1 inch; size, 52 inches by 30.* MS.

Geographical and Statistical Memoir of the SURVEY of the TRAVANCORE and COCHIN STATES, executed under the superintendence of Lieuts. Ward and Conner, from July 1816 to the end of the year 1821. In 7 vols. folio, half-bound in 3 vols. MSS.

Map of the COCHIN STATES, lithographed from the Grand Trigonometrical Map, surveyed (by Captains P. E. Connor and B. S. Ward) in the years 1818, '19, '20. Government Lithographic Press, Madras, 1871. *Scale, 1 mile to 1 inch; on 16 sheets; size of each, 27 inches by 20.*

Map of the CENTRAL and NORTHERN PORTIONS of TRAVANCORE, lithographed from the Grand Trigonometrical Map surveyed (by Captains P. E. Connor and B. S. Ward), in the years '1817, '18, 19. Government Lithographic Press, Madras, 1871. *Scale, 1 mile to 1 inch ; on 25 sheets ; size of each, 27 inches by 20.*

*Pudukota.*

Under the supervision of the Collector of Trichinopoly. (Aitchison's Treaties, revised by Talbot, vol. 5, p. 393.)

*See* Madura District, page 357.

— General Map of Southern Districts, pages 319, 320.

— Indian Atlas, sheet 80.

— Gazetteer of Southern India, page 88.

*Banaganpalli.*

Within the District of Karnul.

*See* Kurnool District Map, page 353 ; and Aitchison's Treaties, revised by Talbot, vol. 5, page 397.

*Sundoor.*

Map of the JAGHEER of SOONDOOR, in the Collectorate of Ballary. Copied from the original Survey, Chief Engineer's Office, Surveyor-General's Department, Fort St. George. 21st January 1842. *Scale, 2 miles to 1 inch ; size, 22 inches by 28. MS.*

Sketch of the MARATTA DISTRICT of SOONDOOR, exhibiting its situation in regard to the Company's Ceded Districts, and the different Routes to Soondoor, from Darwar and Savanoor in the Peshwa's territory, through that of the Company and of the Rajah of Mysore. Extracted from the Surveys, 24th Sept. 1816. *Scale, 12 miles to 1 inch ; size, 20 inches by 18. MS.*

*See* Talbot's edition of Aitchison, vol. 5, page 401.

*Jaipur Agency.*

GANJAM AGENCY Topographical Survey, 1870, '71. *See* page 328.

GANJAM and ORISSA Topographical Survey. *See* page 328.

VIZAGAPATAM MANUAL, &c., &c. *See* page 413.

### III. BOMBAY PRESIDENCY.

Including the City and Island of Bombay, and three Divisions, viz., the Northern Division, the Southern Division, and Sinde; also several Native Principalities.

#### *General Map.*

A DELINEATION of the COUNTRY surveyed in the years 1809 and 1810 by the Department of the Surveyor General, Bombay. Signed Monier Williams, Captain, Surveyor General. Drawn by James Cruikshank, Lieut. 3rd Regt. N.I., one of the Surveyors employed. *Scale, 2 miles to 1 inch; on 7 sheets; size of each, 51 inches by 30.* MS.

\*. \* Contains the following places of note on the borders: Nuggur Parkur, Deesa, and Daunta, on the north; Baroda, Baroche, and Soorut, on the east and south; and the Runn of Cutch on the west.

Topographical Notes on parts of the WESTERN FRONTIER of INDIA (SINDE and GUZERAT) with a descriptive Index to the Map of the country examined in the years 1809 and '10 by the Department of the Surveyor-General, Bombay. March 1813. Folio, half-bound. MS.

Map of a STRIP of COUNTRY between Damaun on the GULF of CAMBAY on the south, and the parallel of 22° N. Lat., on the north, by Capt. M. Williams, Surat, Aug. 27th 1817. *Scale, 4 miles to 1 inch; size, 33 inches by 19.* No title. MS.

Map of the WESTERN PART of the CONTINENT of INDIA, showing the territories of the Bombay Presidency and the States dependent on, or in alliance with, that government. Compiled from the latest surveys, in the Deputy Surveyor General's Office, July 1828. J. Jopp, Capt. Deputy Surveyor General. Lithographed in the Quartermaster-General's Office, Bombay. March 1838. *Scale, 10 miles to 1 inch; size, 75 inches by 55.*

\*. \* With a list and description of the made roads and those under construction within the territories of the Bombay Presidency in the year 1841-42. Prepared in the Chief Engineer's Office, Bombay, 22nd February 1842, Lt.-Col. Diekenson, Chief Engineer. The roads are drawn on the map.

BOMBAY PRESIDENCY, Degree Sheets, signed J. Jopp, Captain, Deputy Surveyor General, Bombay. 1828 to 1833. *Scale, 4 miles to 1 inch; size of each, 22 inches by 20.*

From Dharwar to Bombay:—Sheets Nos. 1, 2, 3, 4, 7, 8, 9, 10, 11, 12, 15, 16, 17, 18.

In Cutch and North Guzerat:—Sheets Nos. 38, 39, 40, 47, 48, 49, 50, 51, 52. MSS.

Route Map of the BOMBAY PRESIDENCY, including Scinde, surveyed and collected by the Quartermaster-General's Department, Bombay Army. Bombay, 12th March 1846. With a polymetrical table of distances in Seind and Beloochistan, and the frontier stations of the northern division; also another polymetrical table showing the distances between the civil and military stations, and large towns of the Bombay Presidency. *Scale, 20 miles to 1 inch; on 3 sheets; size of each, 19 inches by 35.* MS.

Tables of ROUTES and STAGES through the Territories under the Presidency of Bombay, chiefly compiled from the documents in the office of the Quartermaster-General of the Bombay Army. J. Holland, Lieut.-Colonel, Quartermaster-General. Bombay, 1851. Quarto, half-bound.

Route Map of the BOMBAY PRESIDENCY, surveyed and collected by the Quartermaster-General's Department, Bengal Army. Bombay, April 1852. With a polymetrical table showing the distances between the civil and military stations and large towns of the Bombay Presidency. *Scale, 20 miles to 1 inch; mounted, size, 57 inches by 35.*

Also, the northern and central sheets of the original drawing.  
MS.

Also, a later edition, dated 22nd Sept. 1857.

Map of TRUNK LINES proposed as the basis of future operations in the construction of Roads in the BOMBAY PRESIDENCY. In Bombay Public Works Letter, No. 20, of 1856, page 21. *Size, 28 inches by 36.* MS.

Map of ROADS in the BOMBAY PRESIDENCY, copied and lithographed in the office of the Chief Engineer at the Presidency. Bombay, 16th March 1860. *Scale, 15 miles to 1 inch; on 6 sheets; size of each, 20 inches by 28.*

Map of the ROADS in the BOMBAY PRESIDENCY. Lithographed for the Bombay Gazette Almanack 1861. With a notice of the navigable rivers. *Scale, 15 miles to 1 inch; size, 49 inches by 23.*

Map of ROADS in the BOMBAY PRESIDENCY, including Sind and Rajpootana. Compiled, copied and lithographed in the office of the Chief Engineer at the Presidency. Bombay, May 1863. *Scale, 16 miles to 1 inch; on 8 sheets; size of each, 20 inches by 28.*

Another copy, dated October 1865, mounted in a case.

Maps of COLLECTORATES in the BOMBAY PRESIDENCY.  
Part 4 of the Census of the Bombay Presidency. 1872. Fcap. folio, boards.

Preliminary Map of the BOMBAY PRESIDENCY. *Scale, 32 miles to 1 inch.* Compiled from the latest materials and from information furnished by the Bombay Revenue Survey and Settlement Department, in the Office of the Surveyor-General of India. Calcutta, 1873. *Size, 40 inches by 27.*

### *Military Maps.*

Disposition Map of the BOMBAY ARMY corrected to 1st April 1869. *Scale, 32 miles to 1 inch; size, 38 inches by 26.*

The same corrected to 1st June 1870.

Another to 1st Jan. 1873.

Sketch Map (prepared for) showing the DISPOSITION of the BOMBAY ARMY, compiled in the office of the Quartermaster-General of the Army. *Scale, 32 miles to 1 inch; size, 41 inches by 27.* Blank copy.

Disposition Map of the BOMBAY ARMY corrected to March 1874.  
Q. M. General's Office, Poona. *Scale, 32 miles to 1 inch; size, 36 inches by 27.*

*Road Maps.*

An original drawing including HYDERABAD, BEDER, NIL-DROOG, GOOLBURGAH, BEEJAPPOOR, POONAH, AHMEDNUGGUR MALLIGAUM, &c. No title or scale. *Size, 18 inches by 30. MS.*

Map showing the PROPOSED LINE of ROAD between BHEWNDY (Poonah District) and SURAT. Asst. Supt. Roads Office. Camp, Bassein, 19th November 1840. *Scale, 4 miles to 1 inch ; size, 40 inches by 13.*

Plan of the Road from Kulladghee to Bagulkot (Belgaum District). Dated, Executive Engineer's Office, Belgaum, December 28th 1840. *Scale, 2 inches to 1 mile ; size, 13 inches by 35.*

Sketch Map showing LINES of ROAD from TANKARIA BUNDER (Surat and Broach sub-district) to RUTLAM (Native State, Indore Agency), &c. Surveyed by Lieut. Haig, Actg. Depy. Asst. Quartermaster-General, N.D.A. *Scale, 5 miles to 1 inch ; size, 37 inches by 11.*

Plan of the NEW LINE of ROAD (from Belgaum) to KULLADGHEE (Belgaum District). Dated, Belgaum, 7th January 1841. *Scale, 1½ miles to 1 inch ; size, 48 inches by 17.*

Tracing from Lt. Curtis' PLAN of the ROAD between POONA and SHOLAPOOR. Dated, Poona, 13th August 1841. *Scale, 3½ miles to 1 inch ; size, 6 inches by 47.*

Survey of the DAWK ROUTE between PANWELL (Poonah District) and VINGORLA, (Rutnagherry District). Quartermaster-General's Office, Poonah, 9th October 1841. *Scale, 4 miles to 1 inch ; size, 60 inches by 11.*

*Bombay Roads, 1841. Nos. 1 to 7.*

No. 1. Sketch of the ROAD between SION and TROMBAY (Tannah District). Bombay, 1841. *Scale, 900 yards to 1 inch ; size, 13 inches by 8.*

No. 2. Sketch showing the PRESENT STATE of the ROAD from PANWELL to OORUN (Tannah District). Bombay, 1841. *Scale, 4 miles to 1 inch ; size, 13 inches by 8.*

No. 3. Sketch showing the PRESENT STATE of the ROAD from NAGOTNA to PENN (Tannah District). 1841. *Scale, 4 miles to 1 inch ; size, 13 inches by 8.*

No. 4. Sketch showing the PRESENT STATE of the ROAD from CHOWK to KALLIAN, and from MOORBAR to SHAPPOOR (Tannah District). Bombay, 1841. *Scale, 4 miles to 1 inch ; size, 13 inches by 8.*

No. 5. Sketch of the ROAD from CHANDOR to NASSIK, in the Nassik Sub-collectorate (Ahmednuggur District). Bombay, 1841. *Scale, 4 miles to 1 inch ; size, 3 inches by 16.*

No. 6. Sketch of the PROPOSED LINE of ROAD from TANNAH to PANWELL, distance by this survey is 20-m. 1 f. 182 yds. Bombay, 1841. *Scale, 900 yards to 1 inch, on 3 sheets ; size of each, 13 inches by 8.*

No. 7. Sketch of the ROAD between BELGAUM and VINGORLA (Rutnagherry District). Chief Engineer's Office, Bombay, 5th January 1841. *Scale, 4 miles to 1 inch ; size, 16 inches by 13.*

Skeleton Map of the COUNTRY between DHARWAR and SURAT, showing the roads and distinguishing the Metalled, Morrum, and Cleared Roads. Signed, N. C. Peat, Major, Supdt. of Roads, 1842. No title or scale. *Size, 25 inches by 13.*

Sketch of the ROAD from BELGAUM to DHARWAR. Govt. Litho. Press, Bombay, 1842. *Scale, 1½ miles to 1 inch; size, 35 inches by 13.*

Sketch of the AGRA LINE of ROAD, within the limits of this Presidency. Bombay, Military Board Office, 15th January 1846. *Scale, 4 miles to 1 inch; size, 72 inches by 15.* MSS.

Longitudinal Section of proposed LINE between KULLUS and KESSERWADEE. No. 4. *Horizontal scale, 200 feet to 1 inch; size, 7 inches by 160.* MS. In Bombay Public, No. 50, of 1846.

Plans and Sections of the PHOONDA GHAT (between Viziadroog and Kolapore), showing the work performed from the 1st January to 30th November 1848. Signed, E. Del Hoste, on special duty. Title sheet and 3 mounted plans. *Size of each, about 24 inches by 19.* MSS.

PROJECTED IMPROVEMENT of the COMMUNICATION between the COAST and the INTERIOR. Road over the Phoonda Ghat to Kolapore and Belgaum. 14 plans and sketches accompanying India Public Letter, No. 45, dated 2nd September 1848. Feap., stitched in a cover. MSS.

Plan of the AGRA and BOMBAY ROAD, with the Country extending 30 miles to the east and west of it, and exhibiting the Staging Bungalows, Post Offices, &c.; from Agra to the Narbudda River. Compiled in the Surveyor-General's Office from available materials. Calcutta, 8th December 1851. *Scale, 4 miles to 1 inch; size, 114 inches by 26.*

Skeleton of the BOMBAY PRESIDENCY showing the proposed Trunk Roads in the Deccan and South Mahratta Country (also Capt. Graham's proposed railway from Poonah to the River Kistna). No date or scale. No. 1. *Size, 14 inches by 11.*

Map showing the PROJECTED BARODA and TANKARIA RAILWAY, the alternative line to Ambheta, and the Proposed Line from Surat to Baroda, and thence to Indore and Agra, with the Branch Line to Ahmedabad. (Also the proposed Trunk Roads between Poonah and Mhow, and Capt. Graham's proposed railway to Nagpore.) No. 3. No date or scale. *Size, 11 inches by 15.*

Sketch showing the BOMBAY PORTION of the HOOBLEE (Dharwar District), and Sedashegurrh (North Canara District) Road. Central Office D. P. W. Chepauk, June 1862. *Scale, 4 miles to 1 inch; size, 26 inches by 36.* MS.

Map showing the Sind, B. B. and C. I., and G. I. P. RAILWAYS. (Zincographed at the Superintendent Engineer's Office, P. W. Bombay.) August 30th 1866. *Scale, 32 miles to 1 inch; size, 25 inches by 33.*

An Atlas of PLANS of CANTONMENTS and PLANS of the COUNTRY 10 miles round CANTONMENTS in the BOMBAY PRESIDENCY. A series of Drawings by the Quartermaster-General's Department, Bombay Army. (No date, about 1850.) In 1 vol. folio, half-bound. MSS.

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2. Plan of the Poona Cantonments. *Scale, 8 inches to 1 mile.*

3. Plan of the Kirkee Cantonment. *Scale, 8 inches to 1 mile.*
  4. Plan of Poona Station, with sketch of adjoining country to an extent of 10 miles. *Scale, 1 mile to 1 inch.*
  5. Plan of the Ahmednuggur Cantonment. *Scale, 8 inches to 1 mile.*
  6. Plan of Ahmednuggur Station, with sketch of adjoining country to an extent of 10 miles. *Scale, 1 mile to 1 inch.*
  7. Plan of the Mallygaum Cantonments. *Scale, 8 inches to 1 mile.*
  8. Plan of Mallygaum Station, with sketch of adjoining country to an extent of 10 miles. *Scale, 1 mile to 1 inch.*
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  11. Plan of the Sattara Cantonment. *Scale, 8 inches to 1 mile.*
  12. Plan of Sattara Station, with sketch of adjoining country to an extent of 10 miles. *Scale, 1 mile to 1 inch.*
  13. Plan of the Belgaum Cantonment. *Scale, 8 inches to 1 mile.*
  14. Plan of Belgaum Station, with sketch of adjoining station to an extent of 10 miles. *Scale, 1 mile to 1 inch.*
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  19. Plan of the Sholapoor Cantonment. *Scale, 8 inches to 1 mile.*
  20. Plan of Sholapoor Station, with sketch of adjoining country to an extent of 10 miles. *Scale, 1 mile to 1 inch.*
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  22. Plan of Asseerghur to an extent of 10 miles. *Scale, 1 mile to 1 inch.*
  23. Plan of the Cantonment of Ahmedabad, &c. *Scale, 8 inches to 1 mile.*
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  27. Plan of the Surat Cantonment. *Scale, 8 inches to 1 mile.*
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  29. Plan of the Cantonment at Baroda, &c. *Scale, 8 inches to 1 mile.*
  30. Sketch of the Camp near Baroda and surrounding country, &c. *Scale, 1 mile to 1 inch.*
  31. Sketch of the Hursole Cantonment. *Scale, 8 inches to 1 mile.*
  32. Sketch of the Camp of Hursole and country in the vicinity within a radius of 10 miles. *Scale, 1 mile to 1 inch.*
  33. Plan of the Rajcote Cantonment. *Scale, 8 inches to 1 mile.*
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  36. Plan of Bhooj Station with sketch of adjoining country to an extent of 10 miles. *Scale, 1 mile to 1 inch.*
  37. Plan of the Cantonment at Deesa. *No scale.*
  38. Plan of Deesa Station with sketch of adjoining country to an extent of 10 miles. *Scale, 1 mile to 1 inch.*
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**BOMBAY REVENUE SURVEY.** Selected series of Maps and Records exemplifying the Operations of the Bombay Revenue Survey in (I.) Poona and Nasik, (II.) the South Maratha Country, (III.) Ratnagiri, and (IV.) Gujrat. (Forwarded from Bombay with No. 3 of 1873, Revenue Dept. Geographical.)

## I.

*Statement of Records connected with the Measurement, Classification, and Assessment of the Village of Borsur, Taluka Sholapur. W. Waddington, Lieut.-Colonel, Superintendent Revenue Survey and Assessment, Poona and Nasik.*

*Relating to the Measurement.*

1. Rough Field Book.
2. Fair Field Book.
3. Rough Map of Village.
4. Fair Map of Village.
5. Traverse Plot of Village.
6. Extract from Table for computing areas.

*Relating to Classification.*

7. Classification Book.
8. Statement of Rates.
9. Extract from Table for computing Assessment.

*Relating to Settlement.*

10. Land Register.
11. Diagram.
12. Report.
13. Map of Sholapur Taluka to accompany report.
14. Map of Sholapur Taluka to scale of two miles to the inch.

## II.

*Papers exemplifying the proceedings of the Revenue Survey and Assessment for the Southern Division of Bombay Presidency, with a Memorandum relating to them, by R. C. Beynon, Deputy Supt. Rev. Survey, S. M. C. (South Maratha Country).*

1. Measurer's Rough Field Book.
2. Measurer's Fair Field Book.
3. Measurer's original Village Map. (The map for the classers is a copy of this.)
4. Fair Village Map.
5. Multiplication Tables in the vernacular.
6. Classer's Field Book.
7. Diagram showing past revenue history of a Talooka.
8. Talooka Map.
9. Official correspondence relating to the system of Revenue Survey and Assessment and its administration in the Bombay Presidency. With proceedings of the Bombay Legislative Council and the Debates on the introduction of the Act I. of 1865. Containing also the Revised Survey Rules, Act I. of 1865, Act IV. of 1868, and selections from the official correspondence connected with the "Joint Report." Printed by order of the Government of Bombay, 1869. In 1 vol. 8vo., vi. and 268 pages, stiff covers.

\* \* This volume is expressly mentioned in Mr. Beynon's Memorandum, as containing a full description of the object and mode of conducting the Survey and Classification of Soils on the Bombay system.



## III.

*Papers exemplifying the Proceedings of the Revenue Survey and Assessment of the Ratnagiri Collectorate, Bombay Presidency, with a List and Descriptive Memoir by J. Gibson, Deputy Supt. Ratnagiri Survey.*

1. Tipun Book (or memorandum) of the Village Gonauli in Gohagar Talooka of the Ratnagiri Collectorate.
2. Field Book of the Village Gonauli.
3. Classification Book of the Village Gonauli.
4. Warkus Falnee Book of the Village Gonauli.
5. Pot Warkus Falnee Book of the Village Gonauli.
6. Map of the Village of Gonauli in the Gohagarh Talook. *Scale, 660 feet or 1 furlong to 1 inch; size, 11 inches by 18.*
7. Diagram exhibiting the extent of Government land annually under cultivation for the last 20 years in 77 villages of the Lanji Petta, and the net revenue. Poona, 1873. *Size, 15 inches by 11.*
8. Map of the Lanji Petta of the Rajapur Talook in the Ratnagiri Zilla (in English and Maratti). Poona, 1872. *Scale, 2 miles to 1 inch; size, 14 inches by 19.*

## IV.

*Papers exemplifying the Proceedings of the Revenue Survey and Assessment in the Northern Division of the Bombay Presidency, with a Memorandum relating to them by Lieut.-Colonel C. J. Prescott, Superintendent Revenue Survey and Assessment, Gujrat, No. 397 of the 3rd March 1873.*

1. Map of the village Varalgad, Mandvee Purgunna, Surat Collectorate. 1863. Printed at Surat in December 1872. *Scale, 10 goontas to 1 inch; size, 24 inches by 18.*  
 \* \* This map, marked A, is the "rueha" or rough copy.
2. The same, marked B.  
 \* \* This copy is the "pucka," or fair map, made from A. after revision during the monsoon.
3. Map of the Unkleshwur Purgunna, Broach Collectorate of the Province of Guzerat. 1872. *Scale, 2 miles to 1 inch; size, 14 inches by 20.*  
 \* \* This is a specimen of a Taluka map, like those attached to Settlement Reports of a taluka. Marked C.
4. Map of the Broach Collectorate, Guzerat Province; compiled from village maps of the Guzerat Revenue Survey. 1872. *Scale, 2 miles to 1 inch; size, 30 inches by 29.*  
 \* \* Although useful in practice, this map does not pretend to scientific accuracy. It is based on magnetic instead of true meridians. Marked D.
5. Rough Field Book, of village Varalgad (see Nos. 1, 2).  
 \* \* Closely translated from Gujrati into English. Marked E.
6. Fair Field Book or Measurer's Book of Village Varalgad. Marked F.
7. Calculation Book (of Areas), Village Varalgad. Marked G.
8. Specimen Page of a Table Book for calculating areas, translated from Gujrati into English. Marked H.
9. Classer's or Land Valuer's Book, Village Varalgad. Marked I.

*Bombay Revenue Survey. The following Specimens of the Surveys were received in May 1872, through Sir Bartle Frere.*

1. Map of the KHAIRA COLLECTORATE, Guzerat Province. Compiled and reduced from the original village maps of the Revenue Survey Department, Major C. J. Prescott, Superintendent. Poona, no date. *Scale, 4 miles to 1 inch; size, 21 inches by 19.*
2. Map of the PARDEE PURGUNNAH, Surat Collectorate of the Province of Guzerat. 1870. *Scale, 2 miles to 1 inch; size, 15 inches by 12.*
3. Map of the ERRUNDOLE TALOOKA, Khandesh Collectorate. (In English and native characters.) 1868. No date. *Scale, 2 miles to 1 inch; size, 20 inches by 16.*
4. Map of the INDAPOOR TALOOK of the POONA ZILLA. (In English and native characters.) No date. *Scale, 2 miles to 1 inch; size, 18 inches by 23.*
5. Map of the SHOLAPORE TALOOKA of the SHOLAPORE ZILLA. Poona, 1871. (In English and native characters.) *Scale, 2 miles to 1 inch; size, 27 inches by 33.*
6. Map of the NUSSEERABAD TALOOKA, Khandesh Collectorate. 1868. (In English and native characters.) *Scale, 2 miles to 1 inch; size, 18 inches by 22.*
7. Map of the OOMRAWUTTEE TALUK, East Berar. No date. *Scale, 3 miles to 1 inch; size, 17 inches by 20.*
8. Map of the WAEE TALOOKA of the Sattara Collectorate. *Scale, 2 miles to 1 inch; size, 18 inches by 24.*
9. Map of ISRAMA, a village of the BORSUD TALOOKA, Kaira Collectorate. In Guzerati characters. *Size, 14 inches by 16.*
10. Map of the VILLAGE of MOJULE, in Sholapoor Collectorate. Poona, 1870. (In Mahratti.) *Size, 26 inches by 21.*
11. Map of the VILLAGE of KHAMBLOAN, in Baglan Talooka, Nassick Collectorate. (In native characters.) *Size, 21 inches by 16.*
12. Map of the VILLAGE of DAROODPOOR in Zewassa Talooka, Ahmednuggur Collectorate. (In native characters.) *Size, 17 inches by 11.*
13. Map of the VILLAGE of JULGAUM in Khandeish. (In native characters.) *Size, 31 inches by 32.*
14. Map of the VILLAGE of DAHSWAR in Khandeish. In two divisions. (In native characters.) *On 4 sheets; size of each, 24 inches by 20.*
15. Map of the VILLAGE of WURWUND in Mehkur Talooka, Berar. (In native characters.) *Size, 24 inches by 19.*
16. Map of the INAM VILLAGE of KINGUL in Sattara. Poona, 1871. (In native characters.) *Size, 32 inches by 26.*
- 17, 18, 19, 20. Specimen sheets of the MUNICIPAL SURVEY of BOMBAY. *Sheets, 11 and 12, on the scale of 100 feet to 1 inch; and sheets 87 and 104, on the scale of 40 feet to 1 inch; size of each sheet, 40 inches by 27.*

21. Specimen of the Map of the CITY of SURAT. M. Sheet, No. 1. *Scale, 33 feet to 1 inch ; size, 33 inches by 47.*
22. Specimen of the BROACH CITY SURVEY. Map A., No. 1. *Scale, 33 feet to 1 inch ; size, 35 inches by 36.*

## I. THE CITY AND ISLAND OF BOMBAY.

A LETTER addressed to the Committee of Correspondence of the EAST INDIA COMPANY, by Captain James Funck, Ex-commandant of Artillery and Chief Engineer, Bombay. Dated London, 12th February 1760. Followed by a Sketch of Surveys and Works executed by Capt. Funck in Malabar and Bombay ; a short representation of the Fortified Works round Bombay as they were found and altered by Capt. Funck, and his scheme for their completion ; with explanations of three Plans delivered with the letter, but now lost. Large folio, 20 pages, unbound. MS.

Revenue Survey of COLABAH and OLD WOMAN'S ISLAND. 1813. *Scale, 100 feet to 1 inch ; size, 28 inches by 118.* MS.

Plan of the REVENUE SURVEY of the GORYE LANDS in the Dharavee District, on the Island of Salsette. 1816. By Wm. A. Tate, Ensign, Engineers, Assistant to the Revenue Surveyor. *Scale, 400 feet to 1 inch ; size, 51 inches by 30.* MS.

Plan of the REVENUE SURVEY of the DHARAVEE DISTRICT on the Island of Salsette. 1817. By Wm. A. Tate, Ensign, Engineers, Assistant to the Revenue Surveyor. *Scale, 800 feet to 1 inch ; size, 62 inches by 30.* MS.

Sketch of the ISLANDS of BOMBAY and COLABAH, showing the position of all the principal military buildings, out-posts, &c. Signed, W. A. Tate. Captain, Engineers, Revenue Surveyor. Bombay, 16th February 1826. *Scale, 2,000 feet to 1 inch ; size, 31 inches by 19.* MS.

Plan of the ISLANDS of BOMBAY and COLABA. 1827. Inscribed and presented to the Hon. East India Company. Reduced from the Revenue Survey, which was executed under the orders of Government, in succession by Major T. Dickinson and Capt. W. A. Tate. By W. A. Tate, Captain of Engineers, Bombay Army, London, December 31st 1829. *Scale, 1,200 feet to 1 inch ; size, 56 inches by 34.* MS.

Plan of the ISLANDS of BOMBAY and SALSETTE, reduced from the Revenue Survey completed in the year 1827. By Captain W. A. Tate, Engineers, London, December, 1831. *Scale, 2,400 feet to 1 inch ; size, 77 inches by 40.* MS.

The ISLAND of BOMBAY, reduced from the original Survey, undertaken by order of Government by Captain Thomas Dickinson, with the assistance of Captain Remon, Lieuts. Jopp and Tate of the Corps of Engineers. In the years 1812-16. Lithographed and printed under the direction of Major T. B. Jervis, F.R.S., London, 31st January 1843. *Scale, 1,200 yards to 1 inch ; size, 21 inches by 15.*

Also a drawing of the same, without title. *Size, 30 inches by 25.* MS.

Plan of GROUND between MAZAGAON and the SOUTH END of the FORT, showing the Railway Terminus and Wharfage Boat Quays and Building Ground to be reclaimed. No date. *Scale, 600 feet to 1 inch; size, 32 inches by 58.* (With an overlap.)

Map of the ISLAND of BOMBAY. Signed, J. Trubshowe, Architectural Secretary, Rampart Removal Committee, Esplanade, Bombay, 13th May 1864. *Scale, 600 feet to 1 inch; size, 39 inches by 54.* Marked A.

\* \* See Bombay Fort for B.

Map of the ISLAND of BOMBAY. Completed to 1866. *Scale, 600 feet to 1 inch; on 8 sheets; size of each, 28 inches by 20.*

Plans of the PERMANENT BARRACKS at COLABA, BOMBAY, 1865. In a cover:—

1. Map of 20 miles round Bombay.
2. Plan of Colaba.
3. Infantry barraeks with details, on 3 sheets.

### *Bombay Revenue Survey.*

Map of the ISLAND of BOMBAY, constructed from Surveys made in the years 1865–71, under the superintendence of Lieut.-Colonel G. A. Laughton, F.R.G.S., Bombay Staff Corps, and based upon triangulations executed under the orders of Captains Nasmyth and Haig, Royal Engineers, in the years 1865, '66. *Scales, Nos. 1 to 68, 110 to 116, 165 to 169, 205 to 221, are 100 feet to 1 inch; the remainder are 40 feet to 1 inch. The complete map, including both scales, is on 221 sheets; size of each sheet, 40 inches by 27.*

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Index Map for the PUBLICATION of the BOMBAY REVENUE SURVEY SHEETS (of Bombay Island). *Scale, 3,600 feet to 1 inch; size, 20 inches by 12.*

Map of the ISLAND of BOMBAY, reduced from Surveys undertaken in the years 1865–71, under the superintendence of Lieut.-Colonel G. A. Laughton, F.R.G.S., Bombay Staff Corps, and based upon triangulations executed under the orders of Captains Nasmyth and Haig, Royal Engineers, in the years 1865, '66. Reduced and photozincographed at the Government Office, Poona, 1873. *Scale, 400 feet to 1 inch; in 2 parts, each in 6 sheets; size of each, 6½ feet by 6½ feet.*

Map of the ISLAND of BOMBAY constructed on reductions from Colonel Laughton's map of 1872, with alterations up to July 1874. *Scale, 1,200 feet to 1 inch; on 2 sheets; size of each, 28 inches by 33.*

Map of the Southern Portion of the ISLAND of BOMBAY reduced from Colonel Laughton's General Map of 1872, with subsequent alterations. 1873. *Scale, 800 feet to 1 inch; size, 48 inches by 32.*

Five Photographic Views of BOMBAY DOCKS.

One Photograph of the GOVERNMENT OFFICES, BOMBAY.

BOMBAY NATIVE HOSPITAL. This engraving of an important Charitable Institution founded and constructed at the joint expense of Sir Jamsetjee Jeejeebhoy and the East India Company is respectfully dedicated to Sir Jamsetjee Jeejeebhoy by \* \* \* W. J. Huggins. *Size, 13 inches by 20.*

MECHANICS' CLUB HOUSE, BOMBAY. Plan and elevation. *See Bombay Gazette, 5th January 1858. Size, 22 inches by 17.*

Ground Plan of ST. THOMAS' CATHEDRAL, showing the public streets around it as well as the boundary of the area occupied by graves and inscription slabs. Bombay, 1857. *Size, 29 inches by 17. MS.*

Plan showing site of proposed HOTEL, BOMBAY. 1864. With copy of Despatch.

IMPERIAL MUSEUM, BOMBAY, 1867:—

1. Front elevation. *Size, 32 inches by 54.*
2. Longitudinal section. *Size, 36 inches by 50. On tracing cloth. MSS.*

JAMSETJEE JEEJEEBHOY HOSPITAL, BOMBAY.

NATIVE GENERAL HOSPITAL, BOMBAY. Photographic views, mounted on cardboard. *Size, 10 inches by 13.*

#### *Bombay Fort.*

Plan of BOMBAY CASTLE, and the OLD and NEW DOCKS, comprehending Hornby Battery, Bunder Pier, and the intermediate buildings. *Scale, 40 feet to 1 inch; size, 68 inches by 30. MS.*

Plan of the **FORTRESS of BOMBAY**. 1827. Reduced from the Revenue Survey executed in the years 1812, '13, under the orders of Government, by Major T. Dickinson, with alterations to 1827 by Capt. W. A. Tate, Engineers, Bombay Army. London, 1829. *Scale, 200 feet to 1 inch; size, 29 inches by 52.* Mounted to fold. MS.

Plan of the **FORT and part of the ISLAND of BOMBAY**. No date. *Scale, 1,200 feet to 1 inch; size, 27 inches by 19.*

Map of the **FORT of BOMBAY**, completed to 1855. By H. Conybeare, C.E., F.G.S. *Scale, 200 feet to 1 inch; size, 30 inches by 51.*

Map of the **NATIVE TOWN of BOMBAY**, completed to 1855. By H. Conybeare, C.E., F.G.S. *Scale, 300 feet to 1 inch; size, 37 inches by 43.*

Plan of the **FORT of BOMBAY and OLD WOMAN'S ISLAND**. Referred in the letter from the Government of Bombay, No. 37, dated 10th Dec. 1861. No title or scale.

Plan of the **FORT and ESPLANADE of BOMBAY**, to accompany the Report of the Committee appointed by Government letter, No. 192A., September 5th 1861. *Scale, 600 feet to 1 inch; size, 19 inches by 26.*

**FORT and ESPLANADE of BOMBAY**. Bird's-eye View, showing proposed arrangements. Signed J. Trubshawe, Architectural Secretary, Rampart Removal Committee. Bombay, 13th May 1864. *Size, 28 inches by 40.* Marked B.  
\* \* See Bombay Island for A.

Plan showing the **SITES** selected and approved by Government for all the **PUBLIC and PRIVATE BUILDINGS** on the **ESPLANADE**. Signed J. A. Fuller, Captain. Office of the Arch. Ex. Engl. and Surveyor, Bombay, 23rd January 1866. *Scale, 200 feet to 1 inch; size, 40 inches by 66.*

### *Bombay Harbour.*

*See Samuel Thornton's Chart of Bombay, 1703-50, in page 547.*

Charts of **BOMBAY HARBOUR**, and in connexion with it, bound up in "A new Directory for the East Indies," by Samuel Dunn. 2 vols., folio. 1787.

Plan of Manhora River in the Island Salset by Archd. Blair. 1777.

Plan of Vassava by Lieutenant Edward Harvey. 1777.

Plan of Mayham, surveyed in May 1777 by Lieut. Edw. Harvey.

A reduced Chart of Bombay Harbour to serve as an Index for the large one of eight sheets by Wm. Nichelson, Master of H.M.S. Elizabeth. Gregory, London. No date, about 1780.

Chart of **BELAPORE (PANWELL) RIVER** by J. Lendrum, 1779. In "A collection of Charts, &c.," by Alex. Dalrymple, in 1 vol., oblong fol. half-bound.

Chart bound up in "Supplement au Neptune Oriental par feu M. D'Après de Manneville." Paris, 1781. "Plan du **PORT de BOMBAY**." *See also* "Instructions pour entrer dans le port de Bombay."

Trigonometrical Survey of **BOMBAY HARBOUR**, by Lieut. Robert Cogan, H. C. Marine, assisted by Mr. George Peters, Midshipman, 1829. *Scale, about  $\frac{1}{2}$  nautical mile to 1 inch; size, 34 inches by 52.* Published by James Horsburgh, Hydrographer to the Hon. E.I. Company, May 1st, 1833.

**BOMBAY HARBOUR**, shewing the proposed sea guides and defence, as submitted to the Honourable the Court of Directors of the East India Company on the 26th August 1840. By Walter Meriton, Captain in the Maritime Service. *Scale,  $1\frac{1}{2}$  inch to 1 mile; size, 23 inches by 23.* MS.

**BOMBAY with the HARBOUR and COUNTRY adjacent.** With soundings. In Bombay secret, No. 78, 1844. *Scale, 2 inches to 1 mile; size, 38 inches by 26.*

Another copy showing the Rock Formations denuded of Alluvium. Accompaniments to the Collector's letter, No. 183, dated 5th June 1850.

Chart on Mercator's Projection for the use of ships making the PORT of BOMBAY. Compiled from the Surveys of Lieuts. Cogan, Robinson, Ethersey, Mountrion, and Selby, Indian Navy. By Lieut. Fergusson, I.N., F.R.A.S., Draughtsman to the Indian Navy. 1852. *Scale,  $5\frac{1}{2}$  miles to 1 inch; size, 40 inches by 27.*

Trigonometrical Survey of the West Coast of India from Kundaree Island to Arnol Island. Sheet 12. (BOMBAY HARBOUR, with its Creeks and Approaches.) By Comr. W. B. Selby in 1855, and Lieut. R. Cogan in 1828. With a part of the coast line and interior from the survey of Capt. W. A. Tate, Bombay Engineers, 1827. *Scale, 2 miles to 1 inch; size, 40 inches by 27.*

India, West Coast. **BOMBAY HARBOUR**, by Commander W. B. Selby, I.N., with additions by Lieut. R. Cogan and Mr. G. Peters, I.N. 1829-55. *Scale, 4,000 feet to 1 inch.*

\* \* With an insertion entitled Fort of Bombay, on a larger scale. *Size, 41 inches by 27.* London, Sept. 1st, 1858.

Portion of **BOMBAY HARBOUR**, by Lieut. Selby, I.N. Surveyed in 1855. *Scale, 500 yards to 1 inch; size, 26 inches by 18.* MS.

India, West Coast. **BOMBAY HARBOUR**, surveyed by Lieutenant R. W. Whish, H.M.I.N., assisted by Lieutenant R. Williams, H.M.I.N., and A. L. Brown and W. Marshall, mates;—A. W. Campbell, R. C. Nichollets, J. L. Leekie, F. B. Girdlestone, midshipmen, H.M.S. Euphrates, I.N. 1862-3. *Scale, 500 yards to 1 inch; on 6 sheets; size of each, 50 inches by 32.* With a plan showing the triangulation in the survey of Bombay Harbour, 1862-3; on a separate sheet. *Size, 25 inches by 37.*

Plan of **BOMBAY HARBOUR** relating to its Defence, referred to in P. W. Military Letter to the Secretary of State for India, No. 14, of 3rd March 1864. See Colonel Strachey's Memorandums of 6th February 1864, para. 10, page 2. No title. *Size, 24 inches by 36.* On tracing cloth. MS.

**BOMBAY HARBOUR SURVEY, 1875.** By Francis Palmer, A.I.C.E., Commanding Indian Government Ironclad "Magdala." Feap. folio, stiff cover. (38 pages and 18 plans and sketches.)

Outline Chart of **BOMBAY HARBOUR** and its APPROACHES, to accompany a Report on the subject of better Lighting and Buoying the Port. By Thomas Pound (Master, H.M.S. "Octavia"). Reduced from Admiralty Chart No. 2,621, and from the Plan of Captain W. C. Barker, I.N., by Arthur G. Tregassiss (Master's Assistant, H.M.S. "Octavia"). 20th March 1866. *Size, 23 inches by 18.* MS.

Wreck Chart of **WRECKS** in **BOMBAY HARBOUR** and its vicinity from 1826 to 1866. Compiled by J. Everard C. Pryce, Acting Master Attendant and Conservator of the Port of Bombay. November 1866. *Scale, 1 nautical mile to 1 inch; size, 24 inches by 47.* MS. tracing.

The same, published by order of the Harbour and Pilotage Board.



Results of TIDAL OBSERVATIONS made at CARNAC BUNDER. by the Elphinstone Company in the months of February, March, April, and May, 1867, under the direction of Thomas Ormiston. *Size, 1 foot by 5 yards.*

### *Bombay Dockyard.*

Plan (and Sections) of the BOMBAY DOCKS. Dated Bombay, Superintending Engineer's Office, Civil Branch, 21st May 1838. *Scales, various ; size, 51 inches by 28.* MS.

Plan of the H. E. I. C. DOCKYARD in the FORT of BOMBAY, with the adjoining Queen's Yard and H. E. I. C. Store Yard. Dated Bombay, Civil Architect's Office, 12th May 1840. *Scale, 40 feet to 1 inch ; size, 49 inches by 28.* 2 copies. MSS.

Plan of the DOCKYARD, KING'S YARD, CUSTOM HOUSE, NEW WHARF, and BASIN at BOMBAY. No date. *Scale, 40 feet to 1 inch ; size, 52 inches by 31.* MS.

Projected improvements and alterations to the BOMBAY DOCKS, accompanying Board's Letter in the Marine Department, No. 559, dated 17th February 1841:—

B. Plan of the Bombay Docks showing the Basin proposed by Captain Oliver, R.N., Superintendent. *No title or scale ; size, 26 inches by 39.* MS.

C. Plan of the Duncan and Bombay Dry Docks showing the propositions of Captain Superintendent Oliver, R.N., and Captain Brandreth, R.E. *Scale, 40 feet to 1 inch ; size, 19 inches by 26.* MS.

D. Projected improvements to the New Docks at Bombay. Signed A. C. Peat, Major, Civil Architect. Bombay, 11th December 1840. *No scale ; size, 38 inches by 26.*

E. Plan and sections showing the alterations to the Bombay Stern Docks proposed by Capt. Brandreth, R.E., and called for in the Military Board's Letter, No. 670, of 1841, dated 27th February 1841. Bombay, Dockyard Engineer's Office, 28th April 1841. *Scales, 8 feet and 14 feet to 1 inch ; size, 19 inches by 24.* MS.

F. Plans and section of the Bombay Duncan Docks showing the improvements suggested by Capt. Oliver, R.N., Superintendent of I. N., and called for in the Military Board's Letter, No. 670, dated 27th February 1841. Bombay, Dockyard Engineer's Office, 28th April 1841. *Scales, 8 and 14 feet to 1 inch ; size, 19 inches by 24.* MS.

G. Transverse section of the Old Dock, Bombay, and of the Duncan Dock. *Scale, 8 feet to 1 inch ; size, 16 inches by 13.* MS.

H. Section of the Duncan Stern Dock at Bombay, showing the midship section of the Queen, line of battle ship, and the President, steam vessel. *Scale, 6 feet to 1 inch ; size, 19 inches by 26.* MS.

I. Plan and section of original Coffier Dam. Laid down from information given by Mr. Augusto, Bombay, Civil Architect's Office, 11th December 1840. *Scale, 7 feet to 1 inch ; size, 22 inches by 18.* MS.

J. Coffier Dam (plan and section of proposed). Signed A. C. Peat, Major, Civil Architect, Bombay, 11th December 1840. *Scale, 7 feet to 1 inch ; size, 22 inches by 18.* MS.

K. Dock Gates, showing the present and proposed constructions. Signed A. C. Peat, Major, Civil Architect. *Scales, 5 and 3 feet to 1 inch ; size, 23 inches by 18.* MS.

Plan of the BASIN and BREAKWATER proposed to be constructed in BOMBAY HARBOUR. Designed, drawn, and estimated by Capt. J. Estridge, Luximon Bhuggajee and Ramerustna Wyjunath, Asst. Surveyor and Builder. Bombay, Dockyard Engineer's Office, 29th January 1847. *Scale, 40 feet to 1 inch ; size, 34 inches by 68.* MS.

Plan of the BASIN and BREAKWATER proposed to be constructed in BOMBAY HARBOUR. With additions proposed to the area of the Dockyard. Bombay, Chief Engineer's Office, 16th April 1847. *Scale, 60 feet to 1 inch; size, 39 inches by 67.* MS.

Plan and Sections of the SMALLER STEAM BASIN, as called for in the Secretary's Military Board Letters, No. 939 of 1848, and No. 4932 of 1848. Designed, drawn, estimated, and calculated by Capt. P. L. Hart, Engineer to the Dockyard, Luximon Buggajee and Ramcrustna Wyjunath, Asst. Surveyor and Builder. *Scale, 25 feet to 1 inch.* With an insertion entitled, *Plan of the Bombay Dockyard*, showing the limits of the Yard, the proposed new Breakwater, and Smaller Steam Basin. Bombay, Dockyard Engineer's Office, 17th August 1848. *Scale, 200 feet to 1 inch; size, 29 inches by 56.* MS.

Plan of the SMALLER STEAM BASIN. Bombay, Military Board Office, 14th December 1848. *Scale, 25 feet to 1 inch; size, 32 inches by 47.* MS.

Revised Plan and Section of the BREAKWATER, with all the alterations up to this date (March 21st, 1849), as called for in the Secretary's Military Board Letter, No. 1290 of 1849, dated 24th February 1849. Designed, drawn, estimated, and calculated by Capt. P. L. Hart, Engineer to the Dockyard, Luximon Buggajee, Asst. Surveyor and Builder, and Mr. J. St. J. Mungavin, Asst. Overseer. Bombay, 28th March 1849. *Scales various; size, 27 inches by 40.* MS.

Plan of the QUEEN'S NAVAL PREMISES. Signed, W. Ned. Marriett, Lt., Asst. Chief Engineer. *Scale, 20 feet to 1 inch; size, 22 inches by 15.* MS.

Plan of a portion of the DOCKYARD, showing the Office and Store Room occupied by the Crown, and the site of the proposed additional buildings. *Scale, 40 feet to 1 inch; size, 19 inches by 23.* MS.

Proposed NEW DOCK at BOMBAY DOCKYARD. Signed, J. S. Trevor, Captain R.E. (1866.) On tracing cloth :—

No. 1. Plan of Government Dockyard showing proposed New Dock. *Scales, 120 feet and 60 feet to 1 inch; size, 36 inches by 36.*

No. 2. Plan, Elevation, and Section of proposed Dock. *Scales, 20 feet and 10 feet to 1 inch; size, 35 inches by 65.*

No. 4. Midship Section of Transport Vessels and of Docks. *Scale,  $\frac{1}{2}$  inch to 1 foot; size, 37 inches by 29.*

BOMBAY DOCKYARD. 1874. Signed, Thomas Ormiston. Bombay, 15th June 1874. *Scale, 40 feet to 1 inch; on 4 sheets; size of each, 40 inches by 27.*

### *Colaba Coal Depot.*

Sketch showing the proposed position of the COAL DEPOT. Bombay, Dockyard Engineer's Office, 20th May, 1841. *Scale, 100 feet to 1 inch; size, 30 inches by 22.* MSS.

Plan of a COAL DEPOT to contain 1,000 tons of coal, with Basin and Wharf, prepared in communication with the Superintendent I. N., as called for in the Military Secretary's Letter, No. 305 of 1841, dated 12th March 1841. Bombay, Dockyard Engineer's Office, 7th September 1841. *Scales, 12 feet and 8 feet to 1 inch; size, 32 inches by 30.* MSS.

Plan and Sections of the WINDLASSES, CRANES, &c. for the proposed COAL DEPÔT. Bombay, Dockyard Engineer's Office, 20th May 1841. *Scale, 2 feet to 1 inch; size, 15 inches by 19. MSS.*

### *Bombay Reclamations.*

*Docks proposed by Capt. Wemyss.*

Proposed IMPORT and EXPORT DOCKS at MOODY BAY.  
Signed F. Wemyss, Capt. Engineers. Dated Bombay, 7th October 1857.

Plate 1. Plan of ground between the Carnae and Arthur Bunders, with proposed Import and Export Docks at Moody Bay. *Scale, 400 feet to 1 inch; size, 25 inches by 39.*

Plate 2. Plan of Moody Bay showing the proposed Wet Docks, &c., on a large scale. *Scale, 100 feet to 1 inch; size, 27 inches by 77.*

Plate 3, No. 1. Sections through different parts of the Docks. *Scale, 20 feet to 1 inch; size, 23 inches by 54.*

Plate 3, No. 2. Sections through different parts of the Docks. *Scale, 20 feet to 1 inch; size, 11 inches by 66.*

Plate 4, Plan and sections of the Breakwater Ordnance Wharf. *Scales, 100 feet and 10 feet to 1 inch; size, 25 inches by 38.*

Plate 5. Plan showing the portions of the fortifications to be removed and rebuilt; also the Entrance Lock. *Scales, 25 feet and 10 feet to 1 inch; size, 26 inches by 40.*

Plate 6, No. 2. Plan and Sections of Caisson Groove. *Scale, 5 feet to 1 inch; size, 26 inches by 19.*

Plate 7. Plan and section of Cofferdam for excavating the channel and mouth of Entrance Lock. *Scale, 5 feet to 1 inch; size, 21 inches by 23.*

Plate 8. Plan and section of Cofferdam for the Sea Wall of the Export Dock. *Scale, 5 feet to 1 inch; size, 25 inches by 32.*

Plate 9. Section of Dock and Sea Walls of Export Dock. *Scale, 5 feet to 1 inch; size, 18 inches by 23.*

Plate 10. Sections of retaining walls of Railway Terminus. *Scale, 5 feet to 1 inch; size, 17 inches by 23.*

Plate 11. Section of Sheds for the Import and Export Docks. *Scale, 5 feet to 1 inch; size, 17 inches by 23.*

Plate 12, No. 1. Plan and section of Slaughter-houses. *Scale, 5 feet to 1 inch; size, 23 inches by 22.*

Plate 12, No. 2. Section of Pier leading to Slaughter-house. *Scale, 5 feet to 1 inch; size, 13 inches by 22.*

Plate 13. Plans and sections of Public Necessaries; also sections of passages leading to them. *Scales, 10 feet and 5 feet to 1 inch; size, 21 inches by 23.*

On tracing cloth. MSS.

### *Hon. A. Malet's Plan.*

Plan of LAND to be reclaimed and WHARFAGE suggested by the Hon. A. Malet, in connexion with proposed docks at Bombay. 1859. Signed, Robert Stephenson. *Scale, 400 feet to 1 inch; size, 28 inches by 48. MS.*

Sketch of proposed DOCKS, WHARVES, and BUILDING LOTS, for the Hon. A. Malet's (Reclamation) Scheme. Signed, A. De Lisle, Capt., Deputy Superintending Engineer on special duty. 24th February 1859. On tracing cloth. *Size, 37 inches by 52. MS.*

### GENERAL PLAN. SOUNDINGS and TIDE CURRENTS.

The Hon. A. Malet's Harbour Reclamation Scheme, Bombay. Signed, A. De Lisle, Deputy Superintending Engineer on special duty. *Scale, 4 chains to 1 inch; size, 34 inches by 49. On tracing cloth. MS.*

**BOMBAY.** Plan of **GROUND** between the **MAZAGAON** and the South End of the Fort, with proposed Import and Export Docks, Railway Terminus and Wharfage, Boat Quays, and building ground to be reclaimed, as proposed by Hon. A. Malet. Copied in the Office of the Chief Engineer, Public Works, Bombay. 12th November 1857. *Scale 600 feet to 1 inch ; size, 23 inches by 28.* On tracing cloth. MS.

Plan of the **BOMBAY DOCKS** approved by Government, accompanying Despatch, dated 24th April, 1860. Showing also the land proposed to be reclaimed by Government. Drawn on an enlarged scale by S. Pertus, C.E. 1860. *Scale, 300 feet to 1 inch ; size, 26 inches by 40.* On tracing cloth. MS.

**PLANS** referred to in **LETTER** from **GOVERNMENT** of **BOMBAY**. Dated 10th December, 37 of 1861 :—

1. A lithographed Map of a portion of Bombay Island, showing the locality referred to in paragraph 3 of Sir C. Wood's Despatch, No. 21, dated 8th October 1861, Public Works Department. No title. Dated, Bombay, 4th December 1861. *Size, 28 inches by 20.*
2. Plan and sections showing the improvements which are being made to the Apollo Pier (Bombay Harbour). Dated, Bombay, 11th December 1861. *Scale for plan, 60 feet ; for sections, 30 feet to 1 inch ; size, 28 inches by 42.* MS.

A part of the “ Map of the **ISLAND** of **BOMBAY**, completed to 1861,” joined to “ The Plan of Ground between Mazagaon and the South End of the Fort,” coloured to show :—

- 1, 2. Reclamations completed and projected by Government ; 3, 4. Reclamations completed and projected by private parties ; 5. Reclamations to be carried out, whether by Government or private parties is undecided. *Scale, 600 feet to 1 inch ; size, 32 inches by 58.* Partly MS.

**ELPHINSTONE LAND** and **PRESS COMPANY, LIMITED**, **BOMBAY**. Map showing progress made in the year ending 30th June 1867, and the Plan of Works as proposed to be carried out. *Scale, 400 feet to 1 inch ; size, 22 inches by 23.* Lithograph.

A **PLAN**, “ Accompanying Chief Resident Engineer's Letter, No. 1630 of 1868,” showing the G. I. P. Railway Goods Terminus, and the old and proposed site for the B. B. and G. I. Railway Goods Terminus ; also the Elphinstone Land and Press Company's ground. *Size, 11 inches by 14.* On tracing cloth. MS.

Map of the **VILLAGE** (and **ISLAND**) of **ELEPHANTA** of the **SALSETTE TALOOKA**. 1866. Showing the site of the Elphinstone Company's Quarries. *Scale, 660 feet to 1 inch ; size, 10 inches by 14.*

**ELPHINSTONE DOCK CONTRACT, BOMBAY PORT TRUST**. Plans of the masonry of a Wet Dock, to be constructed on the site of the present Elphinstone Basin. Bombay, 1875. Thomas Ormiston, Engineer. Eight litho. drawings in a cover. *Size, 40 inches by 27.*

### *Back Bay Reclamation.*

A Survey of the **SHORE**, with **LEVELS** and **SECTIONS** of **WORKS**. No title or date. *Scale, 200 feet to 1 inch ; size, 3 feet by 8.* On tracing cloth. MS.

Plan of proposed DOCKS in BACK BAY by the BOMBAY DOCK and LAND RECLAMATION COMPANY, with a plan of the Screw Pile Pier in Bombay Harbour, proposed by the Deep Water Pier Company. No title or date. *Scale, 1,500 feet to 1 inch; size, 18 inches by 23.* MS. tracing.

Proposed DOCK ACCOMMODATION for BOMBAY. Signed Edwin Clark, April 16, 1874. *Size, 15 inches by 37.* MS.

Also Plans No. 1 and No. 2, treating the same area differently. Without title or date. *Size of each, 30 inches by 37.* On tracing paper. MSS.

*Hog Island, Bombay. Hydraulic Lift. Graving Dock.*

Hydraulic Lift Graving Dock for the GOVERNMENT of BOMBAY. Edwin Clark, Engineer and Patentee. Emmerson and Murgatroyd, Contractors. 1868. A pictorial view on 1 sheet; also a section and elevation on 1 sheet. *Size of each, 22 inches by 30.*

A Longitudinal and Cross Section of the LIFT in OUTLINE. No title. Appendix O. *Size, 18 inches by 28.*

Chart showing Soundings near HYDRAULIC LIFT GRAVING DOCK, HOG ISLAND. July 1872. By Lieutenant W. Haydon, R.E. On 2 sheets.

Currents off HOG ISLAND. Flood. In 5 sets. June 1874. On 2 sheets.

Currents off HOG ISLAND. Ebb. In 4 sets. June 1874. On 1 sheet.

*Bombay Waterworks.*

Map of the FORT of BOMBAY. Completed to 1855. \*\*\* Showing in MS. the lines of Pipes, Public Wells, Valves, and Hydrants. *Scale, 200 feet to 1 inch; size, 30 inches by 50.*

Map of the NATIVE TOWN of BOMBAY, completed to 1855. \*\*\* Showing in MS. the lines of Pipes, Public Wells, Valves, and Hydrants. *Scale, 300 feet to 1 inch; size, 36 inches by 43.*

INLET TOWER, with a portion of the Principal Dam of the VECHAR RESERVOIR of the BOMBAY WATERWORKS (as it appeared prior to the admission of the water), with the Town and Harbour of Bombay in the distance. Engineer, Henry Conybeare, Esq., F.G.S., M.I.C.E. Commenced October 1856. *Size, 40 inches by 27.*

GENERAL DRAWING of details, of distribution, explanatory of the mode in which the supply is made available in cases of fire, and for public wells or conduits; also of the means of connecting these and the pipes for supplying private houses with the street mains. *Size, 27 inches by 36.* MS.

WORKING DRAWING No. 1<sup>a</sup>. 41-inch pipes for embankments. *Scale, 1 foot to 1 inch; size, 27 inches by 40.*

DRAWING No. 2<sup>b</sup>. Plan and sections of pipes through embankment. *Scale, 1 foot to 1 inch; size, 31 inches by 23.* MS.

VEHAR RESERVOIR. Contract No. 2. Working Drawing No. 1. Embankment No. 1 and Waste Weir. With coloured plan of Embankment No. 1. *Scale, 40 feet to 1 inch. Vertical equidistance of contours, 2 feet. Size, 31 inches by 42.*

VEHAR RESERVOIR. Contract No. 2. Working Drawing No. 2. Embankments Nos. 2 and 3. *Scales, 25 feet and 40 feet to 1 inch; size, 31 inches by 43.*

VEHAR RESERVOIR. Contract, No. 2. Working Drawing No. 3. Details of Inlet Tower and general drawing of ironwork at its summit, which is included in Contract No. 3. *Scale,  $\frac{3}{8}$  of 1 inch to 1 foot; size, 51 inches by 30.*

CONTRACT No. 2. Working Drawing No. 4. Sluice House. *Scale,  $\frac{3}{4}$  of 1 inch to 1 foot; size, 30 inches by 42. MS.*

CONTRACT No. 3. Working Drawing No. 1. Details of Gang-way. *Scale, 1 foot to 1 inch; size, 30 inches by 41. MS.*

CONTRACT No. 3. Working Drawing No. 2. Strainers and plugs for Inlet Tower. *Scale,  $1\frac{1}{2}$  inches to 1 foot; size, 30 inches by 41. MS.*

CONTRACT No. 3. Working Drawing No. 3. Details of Iron-work at top of Inlet Tower. *Scale,  $1\frac{1}{2}$  inches to 1 foot; size, 28 inches by 41. MS.*

CONTRACT No. 3. Working Drawing No. 4. Details of Iron-work on top of Inlet Tower. *Scale,  $1\frac{1}{2}$  inches to 1 foot; size, 27 inches by 39. MS.*

CONTRACT No. 3. Working Drawing No. 5. Windlass? *Scale, 3 inches to 1 foot; size, 28 inches by 41. MS.*

CONTRACT No. 4. Working Drawing No. 1. 32-inch pipes and branches. *Scale, 1 foot to 1 inch; size, 27 inches by 39. MS.*

CONTRACT No. 6. Working Drawing No. 1. Full sized drawings of fancets of pipes. *Size, 28 inches by 37. MS.*

CONTRACT No. 6. Working Drawing No. 2. Branch pipes. *Scale, 2 inches to 1 foot, size, 25 inches by 33. MS.*

CONTRACT No. 6. Working Drawing No. 3. Branches and bends. *Scale, 2 inches to 1 foot, size, 27 inches by 41. MS.*

CONTRACT No. 6. Working Drawing No. 4. Special castings for fire and scour cocks and tapering pipes. *Scale, 2 inches to 1 foot; size, 30 inches by 39. MS.*

### *Bombay Drainage.*

Plans signed Russell Aitken, Executive Engineer, 1st August 1867, to accompany his Report on the Drainage of Bombay. 1866.

No. 1. Bombay Main Drainage. Map of the Island of Bombay, showing tidal observations taken by Mr. Jagannath Sadaseur. 1866. *Scale, 600 feet to 1 inch; size, 156 inches by 57. On tracing cloth. MS.*

No. 2. Plan of Bombay Harbour, to accompany Mr. Aitken's Report on the Drainage of Bombay. Addressed to the Municipal Commissioner. Dated 20th June 1866.

\* \* Showing in MS. the tidal observations taken in 1867. *Scale,  $\frac{3}{4}$  of a mile to 1 inch; size, 32 inches by 22.*

- No. 3. Section of Main Drain from Null Bazaar to Colaba Reservoir. *Horizontal scale, 600 ft. to 1 inch; vertical scale, 20 feet to 1 inch; size, 15 inches by 62.* On tracing cloth. MS.
- No. 4. Contour map of the Native Town of Bombay. *Scale, 300 feet to 1 inch; size, 35 inches by 41.* MS.
- No. 5. Plan of the Native Town showing existing drains. *Scale, 200 feet to 1 inch; size, 36 inches by 51.* On tracing cloth. MS.
- No. 6. Map of the Island of Bombay, showing proposed sewers. 1867. *Scale, 600 feet to 1 inch; size, 119 inches by 40.*
- No. 7. Bombay main drainage. Sections of intercepting sewers. *Horizontal scale, 600 feet to 1 inch; vertical scale, 20 feet to 1 inch; size 112 inches by 37.* On tracing cloth. MS.

## II.—NORTHERN DIVISION.

Including the Collectorates (or Districts)—of 1, Ahmedabad; 2, Broach; 3, Colaba; 4, Kaira; 5, Kandesh; 6, Nasik; 7, Panch Mahals; 8, Surat; 9, Tanna. Also the Native Principalities, pages 454 to 457.

### 1. Ahmedabad Collectorate.

Sketch of part of the PROVINCE of GOOJERAT, exhibiting the limits of the Collectorates of Ahmedabad and Kaira, with extent of the Surveys made by the Revenue and Topographical Survey of Goojerat, the spaces coloured red being completed, and those encircled by a line of the same colour remaining to be surveyed. By James Cruikshank, Captain, Revenue Surveyor, Goojerat. January, 1829. *Scale, 4 miles to 1 inch; size, 27 inches by 37.* MS.

Plan of the DUSKROEE PURGANA, Ahmedabad Collectorate. Compiled and reduced from the original plans by the officers of the Revenue Survey Department, during the years 1820, '21, and '22. Signed, F. B. Jervis, Bombay. 1844. *Scale, 1 mile to 1 inch; size, 35 inches by 23.*

Report of the COLLECTORATE of AHMEDABAD. By E. G. Fawcett. No. 5. Bombay selections. 1854.

Map of the AHMEDABAD COLLECTORATE. Compiled from maps in the Chief Engineer's Office, and from information furnished by the Collector. 1857. *Scale, 4 miles to 1 inch; on 4 sheets; size, 44 inches by 38; price, coloured, 5s.*

Plans of the PERMANENT BARRACKS at AHMEDABAD. Bombay Presidency 1867. In a cover:—

1. Map of 20 miles round Ahmedabad.
2. Plan of the cantonment of Ahmedabad.
3. Artillery barracks.
4. Artillery hospital.

Bridge proposed to be constructed over the BOGHAWA RIVER. Designed by Lieut. C. Scott, Ex-engineer, June 1855. *Scale, 30 feet to 1 inch; size, 4 inches by 243.* On tracing cloth. MS.

Portions of the BOGHAWA BRIDGE on a large scale. Plan, sections, and elevation. June 1855. *Scale, 5 feet to 1 inch; size, 23 inches by 37.* On tracing cloth. MS.

Great Trigonometrical Survey of INDIA. Guzerat. Sheet 81. Section 6. Season 1874-75. Town and part of the Taluka of Dholka, Ahmedabad Collectorate. *Scale, 4 inches to 1 mile; size, 40 inches by 27.*

2. *Broach Collectorate.*

Plans and Statements of the LANDS of SEVEN of the VILLAGES of the BAROCHE PURGUNNA, according to the Revenue Surveys and Settlements made under the orders of the Bombay Government during the years 1811, 1812, and 1813. Monier Williams, Surveyor-General. *Scale, 6 inches to 1 mile; on 4 sheets, bound together in a cover; size, 18 inches by 22.* MSS.

A Plan of the PERGUNNAS of JUMBOOSUR, AMOD, and DEHEJ (Broach Sub-Collectorate), according to a Revenue Survey of them executed in the years 1817, '18, and '19. Reduced and connected from the separate plans of each village by James Cruikshank, Captain, 1st Assistant. Baroche, August 1820. *Scale, about 1,500 yards to 1 inch; size, 57 inches by 49.* MS.

Sketch of part of the PROVINCE of GOOJERAT, exhibiting the Collectorates of Baroche and Surat, with the extent of the Surveys made by the Revenue and Topographical Survey of Goojerat, the spaces coloured red being completed, and those encircled by a line of the same colour remaining to be surveyed. Signed, James Cruikshank, Captain, Revenue Surveyor, Goojerat. Baroche, Jan. 1829. *Scale, 4 miles to 1 inch; size, 37 inches by 27.* MS.

Map showing the several PURGANAS in the SURAT COLLECTORATE and in the BAROCHE SUB-COLLECTORATE; also the Boundaries of the Surat and Sucheen Nabob's villages, and of all other Enam villages contained therein. Copied in the Chief Engineer's Office, Bombay, 1st May 1846. *Scale, 4 miles to 1 inch; size, 39 inches by 24.* MS.

A Plan of the BAROCHE COLLECTORATE, comprising six purgunnahs. According to the Revenue Survey executed under the superintendence of Monier Williams, Major, late Surveyor-General, Bombay. 1860. *Scale, 2 miles to 1 inch; size, 34 inches by 23; price, coloured 5s.*

BROACH CITY. *See page 424.*

3. *Colaba Collectorate.*

*See Maps of Collectorates in Bombay Presidency, page 417.*

4. *Kaira Collectorate.*

Sheet No. 25. KAIRA COLLECTORATE, signed J. Cruikshank, Captain, Superintending Surveys. Broach, 29th June 1827. (Specimen of Survey.) *Scale, 5 inches to 1 mile; size, 26 inches by 30.* MS.

\* \* Part of the Pitlad Purgunna only.

Map of part of the KAIRA COLLECTORATE, reduced from the original plans of the Revenue and Topographical Survey of Goojerat. Signed J. Cruikshank, Captain, Superintending Surveys. Broach, 29th June 1827. *Scale, about 1,500 yards to 1 inch; size, 20 inches by 25.* MS.

\* \* Part of the Pitlad, Matur Purg, and Nepar Tuppa Purgunnas.

Map of KAIRA COLLECTORATE, reduced from the Revenue and Topographical Surveys of Goojerat. 1855. *Scale, 2 miles to 1 inch; on 4 sheets; size, 40 inches by 33; price, coloured 5s.*

5. *Khandesh Collectorate.*

Map of the PROVINCE of CANDEISH, compiled in the office of the Surveyor-General of India from existing materials, but chiefly from a Map of a Survey completed under the superintendence of Captain John Briggs, Political Agent, in the years 1821 and '22. S.G.O. Calcutta, 12th August 1839. *Scale, 4 miles to 1 inch; size, 39 inches by 51.* MS.



Trigonometrical Survey of the PROVINCE of CANDEISH, divided into Purgunas, completed in 1822, by Messrs. Arthur White and Jas. Evers, under the direction and superintendence of Captain John Briggs, Political Agent. *Scale, 4½ miles to 1 inch ; size, 39 inches by 52. MS.*

Map of the PROVINCE of CANDEISH, according to a Survey completed in the years 1821 and 1822, under the direction and superintendence of Captain John Briggs, Political Agent. *Scale, 4 miles to 1 inch ; size, 31 inches by 51. MS.*

Map of KHANDEISH. According to a Survey completed in the years 1821 and 1822 under the direction of Major Briggs, with corrections up to the latest period. With further corrections from a map by Lieut. Graham, Commanding Bheel Corps. 1857. *Scale, 4 miles to 1 inch ; on 9 small sheets ; size, 32 inches by 50 ; price, coloured 7s.*

KHANDESH and BOMBAY NATIVE STATES, Topographical Survey. Season 1872-73. *Scale, 1 mile to 1 inch ; to be completed in 46 sheets, of which the following are published :—*

Sheets 1, 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, containing part of Khandesh in Bombay Presidency, and parts of Nimar and Malwa in the Central India Agency, under the Governor General.

#### 6. Nasik Collectorate.

Map of the KOWNAEETALOOKA, NASSICK SUB-COLLECTORATE exhibiting the relative position of the villages, their extent, population, &c. 1849. *Scale, 2 miles to 1 inch ; size, 21 inches by 26.*

DEOLAI CANTONMENT. Season 1871-72. Surveyed under the superintendence of Colonel D. C. Vanrenen, R.A., *Scale, 12 inches to 1 mile ; size, 27 inches by 40.*

#### 8. Surat Collectorate.

Report on the Southern Districts of the SURAT COLLECTORATE. By A. F. Bellasis. 1854. Bombay Selections, No. 2.

Map of the SURAT COLLECTORATE. 1860. *Scale, 4 miles to 1 inch ; size, 23 inches by 20 ; price, coloured 5s.*

Plan of the CITY of SURAT, surveyed by Lieuts. Adams and Newport, of the Revenue Survey Department, Goojerat, during the Monsoon of 1817. *Scale, 70 yards to 1 inch ; size, 59 inches by 75. MS.*

References to the Plan of the CITY of SURAT, executed by the officers of the Revenue Survey Department, Goojerat, 1817. Folio, half bound. MS.

Plan of the CITY and ENVIRONS of SURAT. Drawn by J. Cormack, Assistant Surveyor, Superintending Engineer's Office, Surat, 1846. *Scale, 5 inches to 1 mile ; size, 61 inches by 49. Accompanied by longitudinal and cross sections of the River Tapti, in illustration of the floods at Surat in 1822, 1837, and 1843. By Captain Tremenneere. The whole mounted to fold in three parts in a case. MS. tracings.*

9. *Tanna Collectorate.*

Map of the TANNAH COLLECTORATE, reduced from 2 sheets of Capt. T. Jervis' Konkun Atlas on a scale of 2 miles to 1 inch. Executed in 1834. *Scale, 4 miles to 1 inch; size, 49 inches by 24. Imperfect.*

Map of the TANNAH COLLECTORATE. 1869. *Scale, 4 miles to 1 inch; on 3 sheets; size, 48 inches by 26; price, coloured 6s.*

Surveys in the NORTHERN KONKUN, by Mr. Francis Horne of Madras, employed under the collector Mr. Marriott. Measurements by a perambulator, angles and bearings by a compass. Sheet 2 only. Copied May 1821. *Scale, 2 miles to 1 inch; size, 26 inches by 32. MS.*

\* \* Country between Shawpoor on the north and Aubta (Apta) on the south.

Topographical Surveys in NORTHERN KONKUN, under Captain Jopp, Deputy Surveyor General, 1833. *Scale, 2 miles to 1 inch; 5 sheets, as follows:—*

1. Survey of Cheechun and parts of Tarrapoor, Asseeree, and Seereegaon Turrup, in the Sunjun Talooka. *Size, 18 inches by 20.*
2. Survey of the Mahun Purgunna and parts of the Seereegaon, Tarapoor, Cheechun and Munnoor Turrup. *Size, 23 inches by 19.*
3. Survey of parts of Bassein, Kolwaun, and Kullian Talookas, in the northern Konkun. *Size, 23 inches by 21.*
4. Survey of parts of Kallian and Moorbaur Talookas. *Size, 21 inches by 25.*
5. Survey of the Panwell and Nusrapoor and parts of the Kallian and Moorbaur Talookas in the Northern Konkun. *Size, 21 inches by 26. MSS.*

Map of the SOUTHERN PORTION of NORTH KONKUN or TANNAH COLLECTORATE, from the parallel of Bombay. Outline and hills only. No title. *Size, 38 inches by 29. MS.*

Part of TANNAH COLLECTORATE, with the Routes of an Expedition in 1779 between Bombay and the Ghauts. Engraved for A. Dalrymple, but unfinished. No date or title. *Size, 30 inches by 24.*

*The Konkun (Konkan) Atlas.*

An Atlas illustrative of a GEOGRAPHICAL and STATISTICAL MEMOIR of the BRITISH and FOREIGN TERRITORIES, situated on the north-west coast of Peninsular India, comprised in that division of Muharashtru designated in the ancient geography of the Hindoos, the *Konkun*; by the earliest Arabian navigators *Maabir* or the landing place, forming together with Tooluon and Kerulu, the *Suhyn Khund* of Hindoo Legend and Mythology; accompanied by numerous illustrations of the scenery, natural history, and antiquities, by Captain T. Jervis, of the Corps of Engineers (1834). *Size, 31 inches by 29.*

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No. 9. A map of the Konkun, constructed from new and original surveys to illustrate a statistieal memoir, by Captain T. Jervis, of the Corps of Engineers. *Scale, 8 miles to 1 inch. MS.*

No. 10. A plan of the town, fort, villages, and bays of Rutnagiri, the principal station in the Southern Konkun Zillah, in latitude  $17^{\circ} 0' 40''$  north, longitude  $73^{\circ} 20' 80''$  east of Greenwich, and distance from Bombay  $134\frac{1}{2}$  miles. To exemplify the nature of the coast, villages, and a Mharatta fortified post. *Scale, 1 mile to 1 inch. MS.*

- No. 11. Sketch of the north-western coast of Peninsular India, exemplifying the character and distribution of the population; the location of its various colonists from the earliest times, and the present retreats of its original inhabitants. *Scale, 8 miles to 1 inch.* MS.
- No. 12. Survey of the rich diluvial tracts in the Pen Wansee and Humrapoor Muhals at the embouchure of the Amba or Nagotna River, in the north-west angle of the Sanksee Talooka, where the salt manufactories are at present established and might be increased to any extent by the skilful drainage and embankment of the lands. To accompany Captain T. Jervis' statistical memoir of the Konkun. No scale. MS.
- No. 13. Sketch of the Konkun or Western Coast of India, exhibiting the geographical distribution of plants. *Scale, 8 miles to 1 inch.* MS.
- No. 14. Analysis of the industry and resources, the external and internal commerce, the produce and taxation of the British and Foreign territories on the north-west coast of Peninsular India. *Scale, 8 miles to 1 inch.* MS.
- No. 15. Plan of the fort of Rewadunder, situated at the entrance of the Chowul River, on its northern bank. *Scale, 100 feet to 1 inch.* MS.
- No. 16. Plan of the fort of Coorlah, situated to the south of the entrance of the Chowul River. *Scale, 200 feet to 1 inch.* MS.
- No. 17. Plan of the mountain fortress of Rayrec or Rygurh, the chief residence of Seevujee, the founder of the Mharatta Empire; called by the early Mahomedan Kings of Dowlutabad, Islamgurh, situated in  $18^{\circ} 15' 0''$  N. Lat., in  $73^{\circ} 31' 30''$  East Long. from Greenwich; distance from Bombay,  $62\frac{2}{3}$  miles. *Scale, 900 feet to 1 inch.* MS.
- Plan of the small fortified island of Kausa or Kasow (Turtle island) belonging to the Seedee or Abyssinian Admiral; situated at the north-western entrance of the bay of Jingeera, or Rajpooree river, situated in  $18^{\circ} 20' 0''$  N. Lat., in  $73^{\circ} 2' 50''$  East Long. from Greenwich; distance from Bombay, 43 miles. *Scale, 150 feet to 1 inch.* MS.
- Also an exact plan of the island fortress of the Seedee or Abyssinian Admiral; called Jezzeerut, or by the Mharattas Jingeera (the island). Taken out of a French vessel of war and given by the British Commander to the late Captain James Jeremiah Robinson. Situated in  $18^{\circ} 18' 50''$  N. Lat., in  $73^{\circ} 2' 50''$  E. Long. from Greenwich; distance from Bombay,  $44\frac{1}{2}$  miles. *Scale, 150 feet to 1 inch.* MS.
- No. 18. Plan of the harbour and fort of Jyгурh, situated in  $17^{\circ} 19' 0''$  N. Lat., in  $73^{\circ} 17' 30''$  E. Long. from Greenwich; distance from Bombay 114 miles. No scale. MS.
- Also, plan of the Fort of Danda Rajpooree, the island forts called Jezzeerut or Jinjeerah and Kausa. Situated in  $18^{\circ} 18' 50''$  N. Lat., in  $73^{\circ} 2' 50''$  East Long. from Greenwich; distance from Bombay  $44\frac{1}{2}$  miles. No scale. MS.
- \* \* \* With chart of the mouth of the river.
- Also plan of the Fort of Vijaydroog (miscalled Gheria). Situated in  $16^{\circ} 34' 30''$  N. Lat., in  $73^{\circ} 23' 40''$  East Long. from Greenwich; distance from Bombay,  $164\frac{1}{2}$  miles. No scale. MS.
- \* \* \* With chart of the mouth of the river.
- No. 19. Plan of the Bay, Town, and Factory of Vingoerla; situated in  $15^{\circ} 52' 0''$  N. Lat., in  $73^{\circ} 41' 31''$  E. Long. from Greenwich; distance from Bombay,  $214\frac{1}{2}$  miles. *Scale, 600 feet to 1 inch.* MS.
- Also Plan of the Fort of Rerce; situated in  $15^{\circ} 46' 0''$  N. Lat., in  $73^{\circ} 44' 30''$  E. Long. from Greenwich; distance from Bombay, 223 miles. *Scale, 400 feet to 1 inch.* MS.
- No. 20. Plan of the Fort of Vijaydroog (miscalled Gheria), in Lat.  $16^{\circ} 34' 30''$  North, and  $73^{\circ} 23' 40''$  East Long.; distance from Bombay  $164\frac{1}{2}$  miles. *Scale, 200 feet to 1 inch.*
- Also, Plan of the Fort of Sindoodroog, in Lat.  $16^{\circ} 3' 30''$  North, and  $73^{\circ} 30' 50''$  East Long.; distance from Bombay,  $200\frac{1}{2}$  miles. *Scale, 150 feet to 1 inch.* MS.

Plan of the Fort and Harbour of Dewgurh, in North Lat.                      in East  
Long. from Greenwich; distance from Bombay,                      miles. *Scale, 3 inches*  
*to 1,000 fathoms. MS.*

Plan of the Forts of Sindoodroog and Rajkot, with the Village and Bay of Malwun,  
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Bombay,  $200\frac{1}{2}$  miles. No scale. MS.

Plan of Zunjeera, the principal Fort at Sevendroog, properly Soowurundroog, the  
Golden Rock. *Scale, 50 feet to 1 inch. MS.*

Plan of Fort Goa at Sevendroog. *Scale, 50 feet to 1 inch. MS.*

Plan of the Harbour of Goa. No scale. MS.

TRIGONOMETRICAL SURVEY PLAN No. 3, showing the  
ground on which the Base Line No. 2 was measured by Lieut. T. B. Jervis, in February  
and March 1824. Surveyed by Lieut. W. W. Dowell, Assistant Surveyor. (*Scale,*  
*400 yards to 1 inch.*)

\* \* This map is apparently the original or a copy of Plate 7 of the Konkun  
Atlas. MS.

Survey of the rich DILUVIAL TRACTS in the PEN WANSEE  
and HUMRAPOOR MUHALS at the embouchure of the Amba or Nagota River,  
in the North-West angle of the Sankee Talooka, where the salt manufactures are at  
present established, and might be increased to any extent by the skilful drainage and  
embankment of the lands. To accompany Capt. T. B. Jervis' Statistical Memoir of  
the Konkun. MS.

\* \* This is a copy, on a reduced scale, of Plate No. 12 of the Konkun Atlas.

Topographical Survey of NORTH and SOUTH KONKUN.  
Reduced in the Surveyor-General's Office, Dehra Doon, from the originals. 1849.  
*Scale, about 4 miles to 1 inch; in 5 maps, marked Nos. 1, 2, 3, 4, 5; size of*  
*each, 22 inches by 15.*

1. Topographical Survey of the Talookas or Districts of Kolwun and Wussyee.
2. Topographical Survey of the Talookas or Districts of Chewul Prant, Kullian  
Prant, Wussyee Prant, Bombay, Salsette, and Islands.
3. Topographical Survey of the Talookas or Districts of Rajpooree, Rygurh, and  
Soowundroog.
4. Topographical Survey of the Talookas or Districts of Unjunvel, Rutnagiri, and  
Vijaydroog.
5. Topographical Survey of the Talookas or Districts of Malwun, Sawunt Waree,  
and Goa. MSS.

#### *Matharan Hill.*

Map of the MATHARAN HILL, surveyed in October and  
November 1852. *Scale, 1 furlong to 1 inch; on 3 sheets; size of each, 21 inches*  
*by 28. Lith.*

#### *Tal Ghat.*

Sketch of the TUL GHAT, showing a proposed new line of Road.  
Signed, J. A. Curtis, Lieut., Assist. Superintendent of Roads, &c. August, 1838.  
*Scale, 600 feet to 1 inch; size, 17 inches by 31. MS.*

Sketch of the TUL GHAT, surveyed in January and February  
1842. Geo. Levien, Corpl. Assistant Overseer, D.P.W. *Scale, 400 yards to 1 inch;*  
*size, 19 inches by 27. MS.*

Survey of a NEW LINE on the TULL GHAT. Signed  
A. C. Peat, Major, Superintendent of Roads. No date. *Scale, 100 yards to 1 inch;*  
*size, 36 inches by 47. MS.*

Plan of the ROAD between BHEWNDY and NASSIK, by the  
Tull Ghat. Length  $78\frac{3}{4}$  miles. Signed, C. Walker, Lieut., Assist. Superintendent  
of Roads, &c. No date. *Scale, 2 miles to 1 inch; size, 35 inches by 24. MS.*

### III. SOUTHERN DIVISION.

Including the Collectorates of—1, Ahmednagar; 2, Belgaum; 3, Dharwar; 4, Kaladgi; 5, Kanara; 6, Poona; 7, Ratnagiri; 8, Satara; 9, Sholapur. Also the Native Principalities, page 457.

Map of the SOUTHERN MARATHA COUNTRY, compiled from the surveys of the officers of the Dukhun Survey Department, Poona, May, 1827. *Scale, 8 miles to 1 inch; size, 27 inches by 29.* MS.

#### 1. Ahmednagar Collectorate.

Plan and Section of the KAPOORWARREE AQUEDUCT, from its source near the village of Kapoorwarree to its termination within the Pettah of Ahmednuggur; with an insertion entitled, Sketch showing the Distribution of the Wurgaum, Kapoorwarree and Anundee Aqueducts within the Pettah of Ahmednuggur. June 1843. *Scale of Plan and Sketch, 10 inches to 1 mile; that of Section, 15 feet to 1 inch; size, 26 inches by 103.* MS.

Map of the HILL and CHAMPAIGN PORTIONS of the ANKOLA TALOOKA, Ahmednuggur Collectorate, exhibiting the relative position of the villages, their extent, population, &c. 1850. *Scale, 2 miles to 1 inch; size, 21 inches by 26.*

Map of parts of the AHMEDNUGGUR and POONA DISTRICTS North of Latitude 19°; from a Compilation prepared by Major T. B. Jervis, Bombay Engineers. 1851. *Scale, 4 miles to 1 inch; size, 10 inches by 36.* MS.

Map of the AHMEDNUGGUR COLLECTORATE. 1855. *Scale, 4 miles to 1 inch; on 4 sheets; size, 44 inches by 40; price, coloured 6s.*

Plan of the PERMANENT BARRACKS at AHMEDNUGGUR, Bombay Presidency. 1867. In a cover.

1. Map of 20 miles round.
2. Artillery barraeks.
3. Cantonment of Ahmednuggur.
4. Cavalry barraeks.

DEOLALEE, AHMEDNUGGUR COLLECTORATE. 1870.

Two maps and a plan as follows, stitched in a cover. *Size, 28 inches by 22.*

1. Map of the Country 20 miles round Deolalee. Signed, J. S. Gell, Colonel, Quartermaster-General, Bombay Army. *Scale, 4 miles to 1 inch.* MS.
2. Map of the country 4 miles round the camp at Deolalee. Signed, J. S. Gell, Colonel, Quartermaster-General, Bombay Army. *Scale, 6 inches to 1 mile.*
3. Depot Barraeks, Deolalee. Signed, J. S. Gell, Colonel, Quartermaster-General; Bombay Army. *Scale, 10·56 feet to 1 mile.*

#### 2. Belgaum Collectorate.

Map of the BELGAUM COLLECTORATE. 1857. *Scale, 4 miles to 1 inch; on 4 sheets; size, 37 inches by 42; price, coloured, 7s.*

BELGAUM CHURCH. Three Photographic Views mounted on cardboard. *Size, 14 inches by 12.*

Plan of PERMANENT BARRACKS, BELGAUM. 1865. In a cover.

1. Map of 20 miles round.
2. Plan of Belgaum.
3. Artillery Barraeks, Fort Belgaum.
4. " " occupied by Garrison Battery.
5. Infantry Barraeks.

3. *Dharwar Collectorate.*

Map of the DHARWAR COLLECTORATE. 1860. *Scale, 4 miles to 1 inch ; size, 31 inches by 23 ; price, coloured 5s.*

Map of the DHARWAR COLLECTORATE, showing the road from Guduk to Yellapoor, with the state of the work thereon on the 1st November 1861, and future prospects thereof. *Scale, 4 miles to 1 inch ; size, 30 inches by 21.*

4. *Kaladgi Collectorate.*

*See Maps of Collectorates in Bombay Presidency, page 417.*

5. *Kanara Collectorate.*

Map of the NORTH CANARA COLLECTORATE. Bombay, January 1870. *Scale, 4 miles to 1 inch ; size, 36 inches by 24.*

Forest Map of NORTH CANARA. No date. *Scale, 4 miles to 1 inch ; size, 32 inches by 23.*

VIEWS of CARWAR. Photograph of Carwar from the Sea. Photograph of Carwar Harbour with the Bombay steamer arriving :—1, at Batkul Cove ; 2, Carwar Head ; 3, Oyster Rock and Lighthouse.

*See also Charts of Carwar, Sedashighur Bay, &c., page 602.*

Map of the DISTRICTS of SOANDA and BILGY. *Scale, 2 miles to 1 inch.* With a small insertion entitled “Plan of the Divisions of Soanda into Talooks and Magunnies.” Surveyed by Lieutenants Garling and Conner, 1813 to 1815. *Size, 48 inches by 31. MS.*

SOANDA SURVEY. Vol. I. Descriptive Memoir containing remarks illustrative of the Map ; General account of the Districts of Soanda and Bilgy ; general account of the countries surrounding the Soanda District ; account of the Traverse of Soanda ; account of the rivers of Soanda ; Appendix. Vol. II. Topography ; Measures of Capacity ; Weights ; Land Measures ; Long Measures ; Cultivation ; Supari Gardens ; Administrative divisions ; Official establishments, revenue, police, and municipal ; Tenures ; Revenue ; Farmed estates ; Population ; Cattle ; Products ; Trade ; Towns and Villages ; Fortifications with plans ; Agragums, Pagodas and Mutts ; Climate ; History ; Languages ; Wild Animals ; Appendix. Plan of the Divisions of Soanda into Talooks and Magunnies. By Lieutenant John Garling Superintendent, and Lieutenant P. E. Conner, Assistant. Calcutta, 1820. In 2 vols folio, half bound.

Sketch of the General Traverse of SOANDA (now in North Canara) showing in particular the communications of the Coast passing through that District. Signed, Colin Mackenzie, Surveyor General of India. July, 1817. *Scale, 4 miles to 1 inch ; size, 31 inches by 25. MS.*

*North Kanara Roads.*

Sketch of lines of Road between ANKOLA and BEITKOOL, SUDASHEWGHUR. Bombay, 1863. *Size, 11 inches by 14.* On tracing cloth. MS.

Plans and Sections of the Bridges proposed for the KYGAH GHAUT. 1857. *Size, 12 inches by 38.* Tracing. MS.

Plans and Sections of small Bridges for the road from MULLA-POOR to the foot of the KYGHA GHAUT. *Size, 11 inches by 36.*

Plans of Tunnels proposed for the Road from MULLAPOOR to the foot of the KYGHA GHAT. *Size, 17 inches by 26.*

Plan and Section of Tunnels proposed for the Road from WULLICOTTAY to IDDAGOONJEE. *Size, 14 inches by 58.*

Plan and Section of a Timber Bridge on the KYGHA GHAT. *Size, 14 inches by 12.*

Plan, Section, and Elevation of a Timber Bridge on the KYGHA GHAT. *Size, 11 inches by 12.*

Survey of the road from MULLAPOOR to the foot of the NEW KYGHA GHAT. *Size, 10 inches by 67.*

Survey of the KYGHA GHAT. *Size, 10 inches by 48.*

A rough Survey of the Road from WULLICOTTAY to IDDA-GOONGY. *Size, 10 inches by 100.*

Plan and Section for the proposed Bridge for the IDDA-GOONGY NULLAH. *Size, 11 inches by 14.*

#### 6. Poona Collectorate.

A SURVEY made in December 1807, by Captain Monier Williams (of the route from SIRROOR to POONA and thence to the Bhore Ghat). *Scale, about 4 miles to 1 inch ; size, 12 inches by 20.* MS.

Map of part of the SOUTHERN KONKUN west of Poona, January 1831. Marked, No. 322 C/a/11. Surveyor General's Field Office, Dehra Doon, September 1850. *Scale, 2 miles to 1 inch ; size, 21 inches by 30.* MS.

Map of the KHEIR TALOOKA in the Poonah Collectorate. Signed, J. Francis, Superintendent Poona Revenue Survey. June 1853. *Scale, 2 miles to 1 inch ; size, 23 inches by 30.* MS. trace.

Map of the POONA COLLECTORATE, copied from the compiled Maps Nos. 323 and 325 by the Deputy Surveyor-General. 1858. *Scale, 4 miles to 1 inch ; size, 28 inches by 34 ; price, coloured 6s.*

Map of the ENVIRONS of POONA, Surveyed by T. Coats, 1814. *Scale, about 1 $\frac{3}{4}$  miles to 1 inch ; size, 23 inches by 35.* MS.

Plan of the CITY, CANTONMENTS, and SUBURBS of POONA. *Scale, 3 inches to 1 mile ; size, 23 inches by 31.* (No title or date.) MS.

Plan of the CITY of POONA; by Lieut. Stainforth, Bombay Engineers. Poona, August 1851. *Scale, 300 feet to 1 inch ; size, 52 inches by 40 ; price, 10s.*

\* \* \* With Statistics of the Census taken in 1851.

PHOTOGRAPHIC VIEWS in POONA. St. Paul's Church, Deccan College, Sassoon Hospital. Mounted on cardboard. *Size of each, 12 inches by 14.*

Map of the POONA and KIRKEE CANTONMENTS. 1865. *Scale, 2 furlongs to 1 inch ; size, 34 inches by 28 ; price, coloured 4s.*

Plans of the PERMANENT BARRACKS at POONA. 1866.  
Artillery Barracks; Sappers' Barracks; Right Flank Infantry Barracks; Left Flank Infantry Barracks; Dépôt Barracks.

1. Map of the country 20 miles round Poona. *Scale, 4 miles to 1 inch.*
2. Plan of the country 4 miles round the cantonment of Poona. *Scale, 6 inches to 1 mile.*

3, 4, 5, 6, 7. Plans of the Barracks.

In a cover. *Size, 26 inches by 22.*

Cavalry Hospital at KIRKEE. Lithographed at the Royal Engineer Establishment, Chatham. 1853. *Size, 31 inches by 23.*

Plans of the PERMANENT BARRACKS at KIRKEE. 1870.

1. Map of the country 20 miles round Kirkee. *Scale, 4 miles to 1 inch.*
2. Plan of the country 4 miles round the Cantonment of Kirkee. *Scale, 6 inches to 1 mile.*
3. Artillery Barracks, building plans.

In a cover. *Size, 26 inches by 22.*

Plans, Elevations, and Sections of POONA BARRACKS. Lithographed at the Royal Engineer Establishment, Chatham. 1850. *Size, 22 inches by 32.*

POONA BARRACKS. Lithographed at the Royal Engineer Establishment, Chatham. 1854. *Size, 21 inches by 29.*

Plans of the PERMANENT BARRACKS at POORUNDHUR SANITARIUM. 1870.

1. Map of the country 20 miles round Poorundhur. *Scale, 4 miles to 1 inch.*
2. Plan of the country 4 miles round Poorundhur. *Scale, 6 inches to 1 mile.*
3. Sanitarium Barracks, building plans.

In a cover. *Size, 26 inches by 22.*

### 7. Ratnagiri Collectorate.

Map of the RUTNAGERI COLLECTORATE. 1857. *Scale, 4 miles to 1 inch; on 3 sheets; size, 50 inches by 25; price, coloured 6s.*

### 8. Satara Collectorate.

Map of the TERRITORY of His Highness the RAJA of SATARA, by Captain George Challon. 1819. *Scale, 4 miles to 1 inch; size, 26 inches by 39.* MS.

WESTERN BOUNDARY of the TERRITORY of H.H. the RAJA of SATARA, surveyed by Captain H. Adams. 1820. *Scale, 2 miles to 1 inch; size, 37 inches by 25.* MS.

Survey of the SOUTHERN BOUNDARY of H.H. the RAJA of SATARA, by Capt. H. Adams, in January, February, March, and April, 1821, and the Bcejapoor District from a separate Sheet. *Scale, 4 miles to 1 inch; size, 27 inches by 39.* MS.

Map of the TERRITORY of His Highness the RAJA of SATARA and JAGHEERDARS, from the Surveys of Captain Challen and Captain Adams. Compiled and drawn by Captain H. Adams, Revenue Surveyor at Sattara. January 1824. *Scale, 3 miles to 1 inch; size, 48 inches by 72.* MS.



The foregoing Map, corrected in the Surveyor-General's Office, as far as practicable from the G. T. Survey operations, and reduced from the original on a scale of 3 miles to 1 inch to a scale of 4 miles to 1 inch. Calcutta, 6th June 1851. *Size, 37 inches by 59.* MS.

Map of the DUKHUN, compiled in the Office of the Deputy Surveyor-General at Bombay in the year 1831. Unfinished. *Scale, 4 miles to 1 inch ; size, 56 inches by 51.* MS.

Map of the SATTARA TERRITORY, North of Mahableshwur, from the original Survey plots of Lieut. G. Boyd, Assistant Surveyor in 1823. Chief Engineer's Office. Bombay, December 1851. *Scale, 2 miles to 1 inch ; size, 23 inches by 30.* MS.

Map of the SATTARA TERRITORY, on a scale of 4 miles to 1 inch. Lithographed in the Chief Engineer's Office. Bombay, March 1851. *Size, 45 inches by 52.*

Map of the SATARA COLLECTORATE. 1869. *Scale, 4 miles to 1 inch ; on 4 sheets ; size, 36 inches by 42 ; price, 8s.*

Plans of the PERMANENT BARRACKS at SATTARA, Bombay Presidency. 1869. In a cover.

1. Map of the country, 20 miles round Sattara.
2. Plan of Sattara and 4 miles round.
3. Infantry Barracks.
4. Infantry Barracks, Hill Fort.

Map of the HILL RANGES in the vicinity of MAHABLESHWAR. Bombay, 1866. *Scale, 200 yards to 1 inch ; in 8 sheets (parts), viz. :—*

Sheet 1,	size 3 feet by 7 feet ;	price 14s.
" 2	" 3 " × 7½ "	" 11s. 6d.
" 3	" 3 " × 6 "	" 10s.
" 4	" 3 " × 5 "	" 7s.
" 5	" 3 " × 6½ "	" 10s.
" 6	" 3 " × 5½ "	" 7s.
" 7	" 3 " × 7 "	" 11s.
" 8	" 3 " × 6½ "	" 8s. 6d.

*Index Map. Scale, 2 miles to 1 inch ; size 14 inches by 18 ; price, 2s. 6d.*

Map of the HILL RANGES in the vicinity of MANDURDEO. Bombay, 1865. *Scale, 220 yards to 1 inch ; on 2 sheets or parts, viz.,—*

Sheet 1,	size 3 feet by 7 feet ;	price 10s.
" 2	" 3 " × 6 "	" 8s.

*Index Map. Scale, 2 miles to 1 inch ; size, 10 inches by 14 ; price 1s.*

Plan, Sections, and Elevation of Proposed BRIDGE across the QUOINA RIVER at KURAR. January 1856. *Scales, 40 and 20 feet to 1 inch ; size, 22 inches by 30.* On tracing cloth. MS.

### 9. Sholapur Collectorate.

Report on the Collectorate of SHOLAPORE. By T. D. and J. S. Inverarity. 1854. In No. 4, Bombay Selections.

Map of the SHOLAPOOR COLLECTORATE, as arranged in the Office of the Chief Engineer. Bombay, 15th October 1844. *Scale, 4 miles to 1 inch ; size, 44 inches by 28.*

Diagram exhibiting the EXTENT of GOVERNMENT LAND annually under cultivation for the last 30 years (1840 to 1869) in 77 villages of the Madeh Talooka, and its gross and net revenue. *Size, 17 inches by 10.*

Map of the MADEH TALOOKA of the SHOLAPORE ZILLA. 1871. *Scale, 2 miles to 1 inch; size, 21 inches by 23.*

Map of the SHOLAPOOR COLLECTORATE. 1868. *Scale, 4 miles to 1 inch; on 2 sheets; size, 46 inches by 28; price, coloured 8s.*  
\* \* \* See also Bombay Revenue Survey, Selected Series, page 423.

Map of the SHOLAPORE COLLECTORATE, compiled from the Revenue Survey, Talooka Maps. 1873. *Scale, 2 miles to 1 inch; size, 51 inches by 60. Folded in a quarto cover.*

Plans of the PERMANENT BARRACKS at SHOLAPOOR, Bombay Presidency. 1867. In a cover.

1. Map of the country 10 miles round Sholapoor.
2. Cantonment of Sholapoor and 4 miles round.
3. Artillery Barracks.

#### IV.—SIND.

Including the Collectorates of; 1, Hyderabad; 2, Karachi; 3, Shikarpur; 4, Thar and Parkar; 5, Upper Sind Frontier; and the Native Principality of Khairpur, page 458.

##### *General Map.*

A Map of SINDE, from Surveys made in 1832 by Wm. Pottinger, Lieut. 6th Foot, Assistant Mission to Sind. *Scale, 12 miles to 1 inch; size, 42 inches by 30. Original MS. and a Copy.*

Map of SINDE, by Lieutenant Edward P. Del Hoste, Surveyor to the Sind Mission Bhooj, July 19th 1832. *Scale, 8 miles to 1 inch; size 40 inches by 30. MS.*

Survey of SCINDE, in two sheets:—

No. 1. Survey of Lower Scinde from the Hujamree Mouth of the Indus, North to Sewan and Westward to Sonmeanee. Surveyed by the Quartermaster-General's Department in the years 1838 to 1840. *Scale, 4 miles to 1 inch; size, 52 inches by 30. MS.*

No. 2. Survey of Scinde between Sehwan and Shikarpoor. The River Indus and the Hala Range of Mountains, including Cutch-Gundara from the desert to Dadur. Quartermaster-General's Office, August 1840. *Scale, 4 miles to 1 inch; size, 59 inches by 31. MS.*

Map of SIND, East of the Indus, from original Surveys in the Quartermaster-General's Office, Bombay. 1841. *Scale, 8 miles to 1 inch; size, 41 inches by 35. MS.*

Sketch of some of the PRINCIPAL CANALS in SCINDE. 1846. *Scale, 11 miles to 1 inch; size, 38 inches by 29. MS.*

Map of part of LOWER SCINDH, signed A. De Lisle, Lieut. In charge of Scindh Survey. April 1850. *Scale, 4 miles to 1 inch; on 2 sheets; size of each, 30 inches by 52. MS.*

Map of SCINDE, surveyed and collected by the Quartermaster-General's Department, Bombay Army, Lieut.-Colonel Neil Campbell, Q.M.G., Bombay, 1850. *Scale, 8 miles to 1 inch; size, 60 inches by 54.*

**Selections from the Records of the BOMBAY GOVERNMENT :—**

- No. 13. A History of Sind from A.D. 710 to A.D. 1590, written in Persian at the close of the sixteenth century, by Mahomed Masoom, and translated into English in 1846 by Capt. G. G. Malet. Bombay, 1855.
- No. 17. Historical, Statistical, and Geographical Memoirs, Journals, Narratives, Reports, Routes, &c. relating to Sind. Edited by R. Hughes Thomas, Asst. Sec., Pol. Dept. Bombay, 1855.
- No. 18. On a rough Survey and Revenue Settlement for Sind. 1859.
- Nos. 32, 50, and 52. On Canal clearances in Hyderabad Collectorate. 1834–35.
- Nos. 34 and 57. On the Abolition of Forced Labour in Sind. 1856.
- Nos. 35 and 58. On the Hills in the West of Kurrachee and Mehur.
- No. 36. On the Ford Wah (Canal). 1856.
- Nos. 40 and 54. On the Thurr and Parkur districts. 1856.
- No. 42. On the Enlargement of the Bigaree Canal. By Captain W. L. Mere-wether. 1857.
- Nos. 45 and 60. On the Eastern Narra. 1857–61.
- No. 55. On the Reduction of Expenses at Births, Marriages, and Funerals, by the Syuds of Tatta. 1859.
- No. 66. Settlement of Jagheer holdings. 1862.
- No. 69. On Canal Irrigation. 1863.

SCINDE RAILWAY MAP, showing proposed route of the Indus Valley Railway, compiled by John Brunton, M.I.C.E., F.G.S., F.R.G.S., Chief Engineer of the Indus Valley Survey. London, 1863. *Scale, 20 miles to 1 inch; size, 27 inches by 22.*

SINDH REVENUE SURVEY. 1855 to 1872. *Scale, 1 mile to 1 inch; to be completed in 102 sheets; price 3s. each.* Nos. 28 and 61 are wanting.

SINDH REVENUE SURVEY. 1855 to 1872. *Scale, 4 miles to 1 inch; in 13 sheets; size of each, 22 inches by 30; price, 2s. each.*

A Gazetteer of the PROVINCE of SINDH (SIND). Compiled by A. W. Hughes, F.S.S., Bombay Uncovenanted Civil Service. With Maps and Photographic illustrations. London, 1874. Octavo, cloth. Also, the Second Edition, 1876.

INDEX to SHEET MAPS of the PROVINCE of SINDH, on the scales of 1 mile to 1 inch and 4 miles to 1 inch. *Scale of the Index, 16 miles to 1 inch; size, 27 inches by 23; price, 6d.*

*Routes.*

ROUTES and STAGES in SCINDE, to and from Guzerat, Cutch, Jeysulneer, and Joudpoor. Surveyed and collected by the Department of the Quartermaster-General of the Bombay Army, with an Index. Bombay, 1846. 4to. half bound.

ROUTE BOOK of Protracted Routes compiled during the Mission to SINDE, by Lieut. Edward Patterson Del Hoste, Surveyor and Draftsman to the Sinde Mission. Also, Routes collected from Native information. 50 pages, fep. MS.

## ROUTES in SINDE.

- No. 1. Route from Camp near Vikkur to Tattah, viâ the junction of the Hujamree, Bheeman, Tejun, and the main river.
2. Abstract of the Route from the Camp Joon, opposite Vikkur, to Tattah viâ Garrah on the Meeknee, and Khurrempoor on the Buggaur rivers, commenced December 1838.
3. Reconnoissance of the Route from Tatta to Kurrahee. January 1839. A report with maps, by Capt. Peat. On 29 pages, fep. unbound. MS.

Survey of the ROUTE from KURRACHEE to SEHWAN, with a Map. By Lieut. Margary, Executive Engineer. 1839. Printed by order of the Governor-General in Council. Fep., 8 pages, sewed.

ROUTE from OOMERKOTE to SUKKUR, by Captain E. P. Delhoste, Assistant Quartermaster-General. 1840. *Scale, 4 miles to 1 inch; size, 28 inches by 22.* MS.

ROUTE from SUKKUR to MOOLTAN, as marched by the Bombay Column. By Captain J. Ramsay, Assistant Quartermaster-General of the Force. Reduced from the original. January 1849. *Scale, 4 miles to 1 inch; size, 62 inches by 19.* MS.

### *Hydrabad and Roree Road.*

Survey of the Road from HYDRABAD to ROREE, numbered 1 to 13 consecutively, *on the scale of 600 yards to 1 inch; with a general map, on the scale of 5 miles to 1 inch, and having a table of reference.* 1856.

General Plan. Sketch showing the position of the principal Towns on the HYDRABAD and ROREE ROAD. *Size, 42 inches by 15.*

- No. 1. From Hydrabad to Muttaree. *Size, 45 inches by 16.*
- „ 2. „ Muttaree to Halla. *Size, 44 inches by 18.*
- „ 3. „ Halla to Synd-ka-Gote. *Size, 47 inches by 20.*
- „ 4. „ Synd-ka-Gote to Dulleel-ka-Dhera. *Size, 46 inches by 18.*
- „ 5. „ Dulleel to Kazee-ka-Gote. *Size, 45 inches by 19.*
- „ 6. „ Kazee-ka-Gote to Dowlutpoor. *Size, 46 inches by 18.*
- „ 7. „ Dowlutpoor to Morah. *Size, 43 inches by 18.*
- „ 8. „ Morah to Nowshera. *Size, 45 inches by 18.*
- „ 9. „ Nowshera to Laeca. *Size, 45 inches by 18.*
- „ 10. „ Laeca to Kotree. *Size, 49 inches by 18.*
- „ 11. „ Kotree to Gumbut. *Size, 48 inches by 19.*
- „ 12. „ Gumbut to Luekman-ke-Tanda. *Size, 48 inches by 18.*
- „ 13. „ Luekman-ke-Tanda to Roree. *Size, 46 inches by 19.*

### 1. *Hyderabad Collectorate.*

Map of the HYDERABAD COLLECTORATE. Compiled from Surveys received from the Chief Engineer and from Routes, &c. in the Quartermaster-General's Office. Signed, Edward P. Del Hoste, Deputy Quartermaster-General. 1851. *Scale, 2 miles to 1 inch; in 4 sheets, mounted to fold, and bound in 2 covers; size of each cover, 20 inches by 13.*

DISTRICT NOWSHERA, Hydrabad Collectorate, Sindh, 1860 to 1863. *Scale, 4 miles to 1 inch; size, 30 inches by 24.* MS.

The same, lithographed and published; *price 4s.*

Chart of some CANALS in the HYDERABAD COLLECTORATE, to accompany Report No. 387, Nov. 14, 1846. *Size, 20 inches by 28.*

**INDIA, BOMBAY PRESIDENCY.** Plans of the **PERMANENT BARRACKS** at **HYDRABAD** (Sinde). 1869. *Three sheets, stitched in a cover; size, 28 inches by 22, as follows:—*

Map of the Country 20 miles round Hyderabad. Signed, J. S. Gell, Col., Quartermaster-General, Bombay Army. *Scale, 4 miles to 1 inch.*

Plan of the Country for four miles round Hyderabad. Signed, J. S. Gell, Col., Quartermaster-General, Bombay Army. *Scale of 6 inches to 1 mile.*

Infantry Barracks, Hyderabad. Signed, J. S. Gell, Col., Quartermaster-General, Bombay Army. *Scale, 10·56 feet to 1 mile.*

**CIVIL STATION, CANTONMENT, TOWN, and ENVIRONS** of **HYDRABAD, SINDH.** 1865–66 and 1869–70. *Scale, 6 inches to 1 mile; on 2 sheets; size of each, 40 inches by 27.*

## 2. Karachi Collectorate.

**KURRACHEE CANTONMENT, CITY, and ENVIRONS.**

1869–70. Surveyed under the superintendence of Colonel D. C. Vanrenen, R.A., Supt. Revenue Surveys, Upper Circle, by Captain D. Maedonald, Deputy Superintendent. *Scale, 6 inches to 1 mile; on 7 sheets; size of each, 26 inches by 34.*

The same Survey, *on the scale of 16 inches to 1 mile; on 53 sheets; size of each, 22 inches by 30.*

Map of the Town and Environs of **KURRACHEE** reduced from Surveys undertaken in the years 1874–75, under the superintendence of Lieut.-Colonel G. A. Laughton, Bombay Staff Corps. Photozincographed at the Government Office, Poona, 1876. *Scale, 800 feet to 1 inch; on 4 large sheets; size, 82 inches by 54.*

Plans of the **PERMANENT BARRACKS** at **KURRACHEE.**

1865. Somerset, or Artillery Barracks; Napier, or New Infantry Barracks; Fitzclarence, or Depot Barracks; Ghizree Sanitarium Barracks.

1. Map of the country 20 miles round Kurrachee. *Scale, 4 miles to 1 inch.*

2. Plan of Kurrachee. *Scale, 6 inches to 1 mile.*

3, 4, 5, 6. Plans of the Barracks.

In a cover. *Size, 26 inches by 22.*

**Photographic Views of Public Buildings in KURRACHEE:—**

1. The Offices of the Indo-European Telegraph Department from the Macleod Road.
2. ——— The main building.
3. ——— Front view of the Right Wing.
4. ——— Rear view of the Right Wing.
5. ——— Court Yard in rear.
6. ——— Mechanicians' Quarters.
7. ——— Library and Museum.
8. ——— ——— Memorial Window to the late Colonel Patrick Stewart, R.E., &c.
9. Post Office.
10. Law Courts.
11. Infantry Barracks, Napier lines.
12. Holy Trinity Church.
13. ——— Interior.
14. St. Andrew's Presbyterian Church.
15. ——— Interior.
16. Christ Church.
17. ——— Interior.
18. St. Paul's Church, Manora.

- E. Chinna Creek Embankment.

Longitudinal Section of the KURRACHEE and KEEAMARA MOLE, from the beginning to the end. 1850. *Size, 8 inches by 9 yards.* MS.

KURRACHEE HARBOUR. Diagram of Borings. 1858. *Size, 18 inches by 26.*

KURRACHEE HARBOUR. Napier Mole Bridge Iron Work. *On 2 sheets ; size of each, 40 inches by 27.*

KURRACHEE HARBOUR WORKS. Plan to illustrate Progress of Works to 30th April 1862. *Size, 25 inches by 34.*

KURRACHEE HARBOUR. Chinna Creek Embankment. July 1862. *Size, 20 inches by 25.*

KURRACHEE HARBOUR WORKS. Soundings on Bar and Entrance Channel, taken 31st December 1862 to 16th January 1863. By Serjeant J. Humby, Pro. Assist. Overseer, P. W. D., &c. under the direction of Licut. G. L. C. Merewether, Special Assistant Engineer.

KURRACHEE HARBOUR WORKS. General Plan showing the works proposed at different times, those sanctioned for execution, and those carried out wholly or in part. January 25th, 1866. With a chart of the coast line from the mouths of the Indus to Cape Monze showing the position of Kurrachee Harbour, and the action of the South-West Monsoon in carrying sand from the mouths of the Indus towards the harbour, according to the opinion of Colonel Tremenhære. The point marked A shows that north of which the bottles started by Colonel Tremenhære from the mouth of the Indus did not pass. *Size, 33 inches by 42.*

KURRACHEE HARBOUR WORKS. B. Manora Breakwater, portion built up to close of season of 1870-71, showing also temporary roads and machinery employed in setting. W. H. Price, M. Inst., C.E., Supt. Government Litho. Press, Madras, 1874. *Size, 32 inches by 53.*

KURRACHEE HARBOUR WORKS. C. Manora Breakwater, Concrete Mixing Station and Block ground. Govt. Litho. Press, Madras, 1874. *Size, 26 inches by 37.*

KURRACHEE HARBOUR WORKS. Deep Water Point removal (No. 7). Sections on lines shown on Plan No. 6. MS. tracing. *All but No. 7 of this series are wanting.*

KURRACHEE HARBOUR WORKS, consisting of:—1. An Index Plan. 2. A Panoramic View of the Harbour from Manora Light-house. 3. The Office, Workshops and Storehouse looking south. 4. Harbour mouth and Manora from Keamaree groyne. 5. Napier mole-bridge and part of native jetty from roof of Customs House. 6. Napier mole-bridge from south end. 7. Native jetty from north end of Napier mole-bridge. 8. Chinna Creek embankment and temporary staging. 9. Hands' Hill new quarries. Mounted together *size, 20 inches by 85.*

A LETTER to the UNDER SECRETARY of STATE for INDIA with a memoir on the tides of Kurrachee, and rules for their prediction, by William Parkes, M. Inst. C.E. Fcap. MS.

KURRACHEE TIDES. Diagram showing observed and calculated Heights and Times. 1857-58. *Size, 26 inches by 85.* MS.

TIDE TABLES for the PORTS of BOMBAY and KURRACHEE. 1867 to 1874. With introductions by William Parkes, C.E. 18mo. Stiff covers.

3. *Shikarpur Collectorate.*

Map of the SHIKARPOOR COLLECTORATE. Compiled from Surveys received from the Chief Engineer and from Routes, &c. in the Quarter-master-General's Office. Signed, Edward P. Del Hoste, Major, Deputy Quarter-master-General. 1851. *Scale, 2 miles to 1 inch ; in 2 sheets, mounted to fold and bound in a cover ; size, 20 inches by 13.*

DISTRICTS JACOBABAD, SHIKARPOOR, ROHREE. LARKHANA and MEHUR, comprising the Shikarpur Collectorate Upper Sindh, 1856 to '62. *Scale, 4 miles to 1 inch ; in 2 sheets ; size of each, 40 inches by 28.*

The same reprinted with additions, August 1869.

TOWN and CANTONMENTS of JACOBABAD 1858-59. Surveyed under the superintendence of Lieut. J. Macdonald, Revenue Surveyor, by Messrs. J. Todd and W. H. Bolton, &c. *Scale, 10 chains to 1 inch ; size, 20 inches by 34.*

Map of the TALOOKA KUKKUR, COLLECTORATE of SHIKARPOOR (with names in English and the vernacular). 1868. *Scale, 1 mile to 1 inch ; size, 29 inches by 42.* MS.

Sketch of part of UPPER SCINDE. Surveyed and drawn by J. Jacob, Lieut. Bombay Artillery. 1840. *Scale, about  $2\frac{2}{3}$  miles to 1 inch ; size, 45 inches by 32.* MS.

\* \* \* \* \* Comprises only the Route from Sukkur viâ Shikarpur, and Shahpur to Kahun, the head-quarters of the Murree tribe, and to Peerichuttah, the head-quarters of the Booglie tribe.

Route Map from ROHREE to KHYERPOOR and the Frontier of JESSULMERE. Signed, Henry Creed, Lieut. Artillery. Bombay, May 22, 1840. MS.

Plan of ROHREE, SUKKUR, and FORT BUKKUR. Surveyed in February and March 1856. Surveyor General's Office, Calcutta. January 1870. *Scale, 8 inches to 1 mile ; size, 27 inches by 31.*

Plan of the FORT of BUKKUR, showing the site of the Bridge of Boats, completed 3rd February 1833. Surveyed by Lieuts. Anderson and Durand, Bengal Engineers. Drawn by Lieut. A. Cunningham, Bengal Engineers. *Scale, 200 feet to 1 inch ; size, 33 inches by 22.* MS.

\* \* \* \* \* Includes the positions of Roree and Sukkur.

Plan of ROREE, SUKKUR, and BUKKUR. Surveyed by Lieuts. Anderson and Durand, Bengal Engineers. Drawn by Lieut. A. Broome, Bengal Artillery. With a pencil drawing of the general view of Fort Bukkur and the Bridge of Boats from the left bank of the Indus. (1839.) No title, scale, or date. *Size, 22 inches by 30.* MS.

4. *Thar and Parkar.*

PARKUR, on an enlarged scale from Survey in 1829. Signed Alex. Burnes, Assist. Rest. Cutch. *Scale, 2 miles to 1 inch ; size, 22 inches by 28.* 2 copies. MSS.



5. *Upper Sind Frontier.*

Sketch showing the LOCALITIES of TRIBES on the FRONTIER of UPPER SIND. To accompany Political Superintendent's Report No. 1579 of 1859, dated 8th November 1869, to the Commissioner in Sind. (Signed) R. Phayre, Colonel, &c. *Scale, 8 miles to 1 inch; size, 26 inches by 34.*

Sketch showing the Localities of Tribes on the Frontier of UPPER SIND. Drawn by Captain Macauley, September 1854. From a Map by Major Jacob. *Scale, 8 miles to 1 inch; size, 30 inches by 40.*

AFFGHANS and PATANS. Chief Engineer's Office, Bombay, June 1859. *Size, 37 inches by 33.*

Map of the PUNJAB and SINDH FRONTIERS, from Dehra Gaze Khan to Chandia. By Colonel Phayre, Pol. Supt., Jacobabad, 1869. S. G. O. Calcutta, 1870. *Scale, 8 miles to 1 inch; size, 30 inches by 40.*

## V. NATIVE PRINCIPALITIES, NORTHERN DIVISION OF BOMBAY PRESIDENCY.

### 1. *Cutch Agency.*

A new Map of CUTCH with the Eastern mouth of the Indus, the Puchum Island and Khurcer, compiled from actual measurement and personal observations during the years 1825, '6, '7, '8, by Lieut. Burnes, Deputy Assistant Quartermaster-General in Cutch. Camp Bhooj, August 1828. *Scale, 4 miles to 1 inch; size, 30 inches by 51. MS.*

Map of CUTCH and the RUNN. Compiled in July 1854 from Surveys between 1825 and 1828 by Lieut. (Lieut.-Col. Sir A.) Burnes. Corrected and completed by the following later surveys:—The Gulf and S.E. Coast from Mandivee to Wandia by Lieut. A. D. Taylor, I. N. in 1851 and 1852. The S.W. Coast from Mandivee to Lukput and Juggee by Lieut. A. M. Grieve, I. N., between 1848 and '50. The shore of the Runn from Juggee to the mouths of the Bunnass River, Chozar and Parkur, the Northern Coast of Cutch from Bheyla to Lukput, the Islands of the Runn, and the country ten miles round Bhooj, by the Quartermasters-General's Department, between 1850 and 1854. The Northern Coast of Kattiwar from Mallia to Drangdra and thence to the mouths of the Bunnass is filled in from Major Jopp's Surveys. *Scale, 4 miles to 1 inch; size, 46 inches by 61. MS. trac.*

Miscellaneous Information connected with the Province of KUTCH. Bombay Government Records, No. XV. New series. Bombay, 1855. Edited by R. Hughes Thomas, Asst. Sec., Pol. Dept. 8vo., boards.

Geological Memoir and Map of CUTCH. *See pages 67 and 72.*

### 2. *Kattywar Agency.*

Map of the WESTERN PENINSULA of GUZERAT, commonly called Kattewar, from actual surveys executed during the campaigns under the command of Lieut.-Col. Walker, in the years 1807 and 1809 by Captain Hardy, Artillery. *Scale, about 6½ miles to 1 inch; size, 35 inches by 48. MS.*

Map of KATTYWAR, CUTCH, and part of GUZERAT. No title. Supposed to be by Captains Monier Williams and Cruikshank, about 1812, *Scale, 4 miles to 1 inch; on 13 sheets; size of each, 27 inches by 19. MS.*

Map of the SOUTHERN and WESTERN PORTION of the PROVINCE of KATTIAWAR, *on a scale of 4 miles to 1 inch*. Compiled from a copy of the original Survey on a scale of 2 miles to 1 inch, by Capt. Slight of the Engineers, and the original Surveys on the same scale, made in the years 1835, '36, '37, and '38, by Capts. Benbow and Boyd of the Native Infantry. The tracts between the Wurtoo and Bhadur Rivers was surveyed and protracted by Hyum Essajee. Bombay 1841. *Size, 27 inches by 55*. MS.

Historical, Geographical, and Statistical Memoirs on the Province of KATTYWAR by various authors. Compiled and edited by R. Hughes Thomas, Asst. Sec., Pol. Dept. Selections from Records of the Bombay Government, Nos. XXXVII. and XXXIX. New series. Bombay, 1856. 8vo.

Map of KATTYWAR. Signed L. Jacob, Acting Political Agent, Bombay 1856. *Scale, 10 miles to 1 inch ; size, 27 inches by 27*.

Map of the PROVINCE of KATTIAWAR. 1869. *Scale, 4 miles to 1 inch ; on 4 sheets ; size, 4 feet by 5 ; price 12s*.

KATTYWAR TOPOGRAPHICAL SURVEY. Surveyed and mapped by the Kattywar party, Great Trig. Survey of India, Capt. C. T. Haig, R.E., in charge ; under the instructions of Lieut.-Colonel J. T. Walker, R.E., F.R.S., &c. Superintendent. *Scale, 1 inch to 1 mile ; to be completed in 61 sheets ; size of each, 28 inches by 41 ; price 3s. each*. The following are published :—  
Sheets 6, 8, 9, 10, 11, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 34, 35, 42, 43, 44.

KATTYWAR TOPOGRAPHICAL SURVEY. *Scale, 4 miles to 1 inch ; to be completed on 13 sheets ; size of each, 29 inches by 21*. Sheets 6, 7, are published.

The TOWN and BRITISH CANTONMENT of RAJKOT. 1874. *Scale, 12 inches to 1 mile ; on 2 sheets ; size of each, 40 inches by 27*.

Index chart of the Kattywar Topographical Survey. *Scale, 24 miles to 1 inch*.

### 3. Pahlunpur Agency.

Miscellaneous Information connected with the NATIVE STATES under the control of the Political Superintendent of Pahlunpoor. Compiled and edited by R. Hughes Thomas, Asst. Sec., Pol. Dept. Selections from the Records of the Bombay Government, No. XXV. New series. Bombay, 1856. 8vo., boards.

Plans of the PERMANENT BARRACKS at DEESA. 1867. In a cover :—

1. Map of the country 20 miles round Deesa.
2. Plan of Deesa.
3. Artillery Barracks.
4. Infantry Barracks.

### 4. Mahikanta Agency.

Memoirs on the MAHEE KANTA by various authors. Edited by R. Hughes Thomas, Asst. Sec., Pol. Dept. Selections from the Records of the Bombay Government, No. XII. New series. Bombay, 1855. 8vo.

## 5. Rewa Kanta Agency.

Map of the NORTHERN PORTION of the DISTRICTS under the POLITICAL AGENT in the REWAKANTA. Surveyed during March, April and May, 1838, by Lieut. Henry Giberne, Bombay Artillery. *Scale, 2 miles to inch ; size, 40 inches by 52.* MS.

Map of RAJPEEPLA, CHOTA-OODEPOOR, BARREA, SOANTH, &c., showing their relation to the territories of the Guicowar and Scindia and the Surat Collectorate. No title or date. *Scale, 10 miles to 1 inch ; size, 24 inches by 17.* MS.

Plan of a PORTION of the RAJPEEPLA COUNTRY, surveyed in January 1852. Signed, J. J. Pollexfen, Lieut. A. A. Qr. M. General Northern D. Army. *Scale, 1 mile to 1 inch ; size, 25 inches by 32.* MS.

\* \* A small portion only, between Rajpeepla and the Nurbudda river to the N.W.

Plan of a PORTION of the RAJPEEPLA DISTRICT, surveyed by Lieut. J. J. Pollexfen, Assistant Quartermaster-General N. D. A. and the Guides of the Department in 1853. *Scale, 2 miles to 1 inch ; size, 27 inches by 33.* MS.

\* \* The Northern half of the District.

Map of the RAJPEEPLA DISTRICT, MANDWEE ZILLAH, and the territories of H. H. the GUICOWAR between the Nerbudda and Taptee Rivers. Surveyed by Lieut. J. J. Pollexfen, Assistant Quartermaster-General N. D. A. and the Draftsmen and Guides of the Department, Northern D. Army, 1855. *Scale, 1 mile to inch ; size, 55 inches by 83.* MS. tracing.

The same lithographed at Bombay in 1863. *On 12 sheets, price 8s.*

The same map on the reduced scale of 4 miles to 1 inch ; *size, 17 inches by 26.*

Map of the REWA KANTA, compiled from the Agency Records in 1874. Signed, Lionel C. Barton, Political Agent, Rewa Kanta. Lithographed at the Bombay Education Society's Press. *Scale, 2 miles to 1 inch ; size, 53 inches by 76.*

## 7. Baroda Residency.

GUZERAT TOPOGRAPHICAL SURVEY. Surveyed and mapped by the Guzerat party, Great Trigonometrical Survey of India, Lieut.-Colonel Nasmyth, R.E., and Lieut. J. R. McCullagh, R.E., in charge ; under the instructions of Colonel J. T. Walker, R.E., F.R.S., &c. Superintendent. *Scale, 1 inch to 1 mile ; to be completed in 62 sheets ; size of each, 28 inches by 41 ; price 3s. each.* The following are published :—  
Sheets 8, 9, 10, 11, 12, 13.

Index Chart of the GUZERAT TOPOGRAPHICAL SURVEY. *Scale, 24 miles to 1 inch.*

\* \* The Guzerat Survey unites with the Kattywar Survey on the Meridian at 72° 30' East Greenwich.

Plan of the Country four miles round BARODA. Assistant Quartermaster-General's Office, N. D. A. Camp, Ahmedabad, 15th April 1875. *Scale, 6 inches to 1 mile ; size, 55 inches by 52.*

8. *Cambay Agency.* 9. *Surat Agency.*

Rough Notes connected with the SUCHEEN, DHURUMPOOR, and BANDA ESTATES. By W. H. Harrison. Notes on the Estate of Cambay, by J. E. Oliphant. Historical Narrative of the City of Cambay, &c. In No. XXVI. Bombay Selections, 1856.

11. *Nasik Agency.*

Historical, Statistical, and other Notes connected with the PENTH ESTATES in the Nasik Sub-collectorate. B. W. J. Turquand. In No. XXVI., Bombay Selections. Bombay, 1856.

Map of the PENTH STATE, showing the adjacent Territories, 1856. *Scale, 4 miles to 1 inch; size, 16 inches by 18; price coloured, 2s.*

Design for a MAMLUTDAR'S CUTCHERRY at PEINT. May 1858. *Scale, 10 feet to 1 inch; size, 24 inches by 14. MS.*

12. *Tanna Agency.*

Rough Notes connected with the Petty Estate of JOWAR, in the TANNA COLLECTORATE, by Messrs. Marriott, Saville, and Showell. In No. XXVI., Bombay Selections, 1856.

13. *Jinjira Agency.*

Rough Notes connected with the Petty Principality of JUNJEERA. By Messrs. Karr, Seton, and Showell. In No. XXVI., Bombay Selections, 1856.

NATIVE PRINCIPALITIES, SOUTHERN DIVISION OF BOMBAY PRESIDENCY.

14. *Sattara Agency.*

Memoir on the SATARA TERRITORY. Early history of the Bhonslays of Satara. Notes and Reports on the Census of 1848, the Revenues and Antiquities, &c. in the Satara districts. Compiled and edited by R. Hughes Thomas, Asst. Sec., Pol. Dept. Bombay, 1857.

16. *Kolhapur Agency.*

Statistical Report on the PRINCIPALITY of KOLHAPOOR, with Notes on the Jaghirdars, Copies of Treaties. Edited by R. Hughes Thomas. Bombay Selections, No. 8. Bombay, 1854.

Map of KOLAPOOR TERRITORY, surveyed by Captain Foster in 1827. S.G.O. Dehra Doon, September 1850. *Scale, 4 miles to 1 inch; size, 30 inches by 32. MS.*

17. *Sawantwari Agency.*

Historical, Statistical, and other Memoirs on the SAWUNT WARREE STATE, by various authors. Bombay Selections, No. 10. Bombay, 1855.

## NATIVE PRINCIPALITY, SIND DIVISION.

19. *Khairpur.*

Map of UPPER SIND, showing the Territory left to Mir Ali Moorad, under the arrangements, recently directed, and the portions resumed as the inheritance of his brothers. Compiled from existing Maps and Surveys and the reports of local officers. Prepared to accompany Major Le Grand Jacob's Report, dated 1st May 1852. *Scale, 4 miles to 1 inch; size, 58 inches by 45. MS.*

Maps of the NORTHERN BOUNDARY of MEER ALI MORAD'S TERRITORY (Khyrpoor) in 3 sheets, marked A. B. C., as follows:—

- A. Map showing the Northern Boundary of Meer Ali Morad's territory from the Jessulmeer Frontier to Munhara, surveyed and defined by Lieut. Steuart, Assistant Collector, in 1852. *Scale, 1 mile to 1 inch; size, 56 inches by 11. MS.*
- B. Map of the Northern Boundary of Meer Ali Morad's territory from Jessulmeer Frontier to Munhara; showing also the line of boundary claimed by the Meer. Surveyed and defined by Lieut. Steuart, Assistant Collector, in 1852. *Scale, 2 miles to 1 inch; size, 37 inches by 38. MS.*
- C. Map of the Northern Boundary of Meer Ali Morad's territory from Munhara to the Roree limits. Temporarily marked by Lieut. Steuart, Assistant Collector, in 1852. *Scale, 2 miles to 1 inch; size, 19 inches by 16. MS.*

ROUTES between ROREE, KHYERPOOR and SOBARAH, in JESSULMEER. Signed, Henry Creed, Lieut. Artillery. Copied in the Chief Engineer's Office, Bombay, 22nd May 1840. *Scale, 4 miles to 1 inch; size, 13 inches by 23. No title. MS.*

## IV.—THE FRENCH TERRITORIES IN INDIA.

Including Chandernagore in Bengal; Karical, Mahé, Pondicherry, and Yanaon, in Madras.

*Chandernagore.*

Plan of a SURVEY executed to ascertain certain CLAIMS made by the FRENCH GOVERNMENT on lands outside the boundary ditch of CHANDERNAGORE, together with a recent survey showing the proposed boundary up to the river Hoogly. Surveyed in May 1851 and April 1852. *Scale, 8 inches to 1 mile; size, 27 inches by 40. MS.*

FRENCH SETTLEMENT of CHANDERNAGORE. Surveyed, season 1870–71, with a portion of the rivers Hoogly and of the country on its left bank. *Scale, 8 inches to 1 mile; size, 40 inches by 27.*

*The same on the scale of 16 inches to 1 mile. On 4 sheets; size, 48 inches by 74.*

*Karical.*

Map of the DISTRICT of CARICAUL exhibiting the limits and boundaries of the villages originally held by the French Government, also those in its neighbourhood ceded to them at the peace of 1783 from actual inspection and survey in June 1816, and agreeable to the lists and communications from the Revenue Department. By D. Sim, Lieut. of Engineers and Surveyor. *Scale, 1 mile to 1 inch ; size, 18 inches by 16.*

*Mahé.*

Plan of MAHÉ and the Forts adjacent, surrendered by capitulation the 13th February 1761 to Thomas Hodges, Esq., chief of Tellichery, and Hector Munro, Esq., Major and Commandant of the English Forces before the place. *Scale, 80 yards to 1 inch ; size, 20 inches by 28.* MS.

The KURUNGOTTE DISTRICT and the adjacent FRENCH TERRITORY, July 1802. *Scale, 2½ inches to 1 mile ; size, 28 inches by 20.* MS.

NOTE.—A lengthy explanation defines the limits of Mahé and gives a brief history of the acquisition of this territory by the French.

*Pondicherry.*

Map of the DISTRICTS formerly belonging to the FRENCH GOVERNMENT dependent on PONDICHERRY, distinguishing the possessions held by the French in sovereignty and the districts afterwards held in Jagheer with their limits with the Honble. Company's Districts laid down from actual inspection and survey of the villages in 1816 and agreeable to the official lists and communications from the Revenue Department. By D. Sim, Lieut. of Engineers and Surveyor. *Scale, 1 mile to 1 inch ; size, 32 inches by 23.* MS.

A Coloured outline of the FRENCH TERRITORY, with alphabetical references along the outer boundary and a piece of land in dispute coloured yellow. No title, date or scale. *Size, 24 inches by 20.* MS.

Map of the DISTRICTS around PONDICHERRY. 1854. Signed E. Maltby, Collector in charge of Special Agent's Department. *Scale, 2 inches to 1 mile ; size, 48 inches by 38.* MS.

Carte du TERRITOIRE de PONDICHERRY. Pour copie conforme au type provenant du dépôt des cartes et plans du Ministère de la Marine, augmenté des routes de 1ère et 2ème classe, et de divers travaux d'art. Pondichéry le 10 Décembre 1871. Lithographed at the Oriental Lithographic Press, Madras, 1872. No scale. *Size, 23 inches by 20.*

## V.—THE PORTUGUESE TERRITORIES IN INDIA.

Including Diu in Kattywar; Daman in North Konkan; and Goa containing the seat of government, adjoining North Canara.

PORTUGUESE Plans of TOWNS in INDIA, traced from old MSS. in the British Museum, with a copy of the memoirs accompanying them. (*Sloan MS. 197, fol. 172*). The plans are 24 inches by 17, the memoirs in fcap., 109 pages.

“*Livro do estado da India Oriental repartido en tres partes. Segunda e terceira partes: plantas des fortalezas com descripção.*”

### *Plantas.*

1. Fortaleza de Dio (Diu).
2.     „       Damas (Daman).
3.     „       Samges e de Danu (Sunjan e Danva).
4.     „       Sirgam e de Maim (Seereegaon e Mahim).
5.     „       e cidade de Baçaim (Bassein).
6.     „       de Agaçaim e Manora (Agausee e Munnoor).
7.     „       Tanna.
8.     „       Mombaim e Ilha de Carania (Bombay e Karanja).
9.     „       Moro de Chaul (Chowul).
10.    „       e cidade de Chaul.
11.    „       de Cambobin.
12.    „       Mangalor.
13.    „       Cananor.
14.    „       Cranganor.
15.    „       e cidade de Cochim.
16.    „       de Coulam (Quilon).

### *Descripçam.*

1. Fortaleza de Dio.
2. Cidade e Fortaleza de Damão.
3. Forte de San Gêus.
4.     „       Danu.
5. Fortaleza e cidade de Bassaym.
6. Porto de Mombaym.
7. Fortaleza e cidade de Cochim.

NOTE.—See also “*Catologo dos Manuseriptos da Bibliotheca Eborensis, Contra Rivera*,” i. p. 302.

The places in this series, except Dio (Diu) and Damão (Daman) are now chiefly British.

Map of the PORTUGUESE TERRITORY at GOA showing also the roads and principal features of the Sattur and Munnaree Districts; the whole surveyed under the immediate superintendence of Lieut. James Garling of the Madras Establishment, during the years 1811 and 1812. Surveyor-General's Office, Madras, 1827. *Scale, 2 miles to 1 inch; size, 30 inches by 39.* MS.

MEMOIR descriptive and illustrative of the SURVEY of the PORTUGUESE TERRITORIES dependent on GOA, taken in the years 1811 and 1812. In three parts. (By J. Garling, Lieut. Superintendent).

### CONTENTS.

Part I. General description. Coast. Bays. Rivers. Divisions of Territory. Districts. Map and Plans.

Part II. Provinces of Salsette and Bardes. Islands of Goa. Productions and Resources. Revenues. Area and Population. Inhabitants. Education Administration. Climate. Maps and Plans.

An account of the Roads and a detail of the Routes through the Portuguese Territories dependent on Goa, forming (*the third*) part of a memoir descriptive of the country, and illustrative of the Topographical Survey taken in the years 1811 and 1812. With a Map.

NOTE.—This is apparently the third part, although it is not so described in the title.

Supplement to the Routes through the Portuguese Territories of Goa, including the Suttur Jaghire, also a Memoir descriptive of the Suttur Jaghire. Parjim, 9 February, 1813.

Additional Supplement to the memoirs descriptive of Goa, containing an account of the Munnaree country.

The three parts and supplement form four Vols. folio half-bound, the additional supplement is of the same size, but in a paper cover. MSS.

A general Statistical and Historical Report on PORTUGUESE INDIA, descriptive of the geographical position of the principal ports; territorial divisions; periods of acquisition; and details respecting agriculture, commerce, &c. With notes containing information relative to the different subdivisions, with their revenue, &c. To which is appended an account of the Convents suppressed in 1835; with particulars relative to their foundation, revenues, &c. Extracted in 1850 from Official Documents by Captain Joaquim Jose Cicilia Kol, (late) Chief Secretary to the Government of Portuguese India. In Bombay Selections, No. 10. Bombay, 1855.

A Map of the NORTHERN BOUNDARY of GOA TERRITORY, compiled in the Chief Engineer's Office, Bombay, 1851. No title. *Scale*, 1,600 yards to 1 inch; *size*, 13 inches by 84. MS.

DIU ISLAND and the adjacent Mainland: a Survey of the Coast Line and Soundings. No title or date. *Scale*, 10 inches to 1 sea mile; *size*, 14 inches by 20. MS.

DIU ISLAND. *See* Kattywar Survey.

Map of DAMAUN with NUGGER HAVELLEE (Nagar Avelly). *See* Indian Atlas, Sheet 24.



# MAPS

OF

## THE CONTINENT OF ASIA

AND ITS DIVISIONS

### BEYOND INDIA.

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#### CONTENTS :—

1. General maps of Asia.
  2. Overland maps.
  3. Trans-Indian Frontier maps, including Nepal and Butan.
  4. Western Asia, including Turkistan : general maps.
  5. Afghanistan.
  6. Baluchistan.
  7. Persia.
  8. Turkey in Asia.
  9. Arabia.
  10. Chinese Empire.
  11. Asiatic Russia.
  12. South-eastern Asia.
  13. Burma.
  14. Siam.
  15. Cochin China.
  16. Strait Settlements.
  17. Islands in the Indian Ocean.
  18. Asiatic Archipelago.
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#### I. GENERAL MAPS OF ASIA.

A new MAP of ASIA, exhibiting its natural and political divisions drawn from the most recent materials. 1832. (London : published by John Cary.) Stereographic projection. *Scale of mid-latitude, 212 miles to 1 inch ; size, 36 inches by 34.*

MAP of ASIA. To Colonel Alexander Allan, M.P., one of the Directors, Hon. East India Company ; this map is inscribed by \* \* \* A. Arrowsmith. 1818. *Scale, 86 miles to 1 inch ; on 4 large sheets ; size, 64 inches by 78.*

KARTE über die GEOGRAPHISCHE VERBREITUNG des KAMEELS, nach einer Handzeichnung von Carl Ritter, reducirt und vermehrt mit der Geographischen Verbreitung der Datelpalme (Phönix Dactilifera) durch I. M. Zeigler. Berlin, 1848. *Size, 21 inches by 29.*

**ATLAS VON VORDER-ASIEN** zu C. Ritter's Erdkunde von Asien, von Carl Zimmermann. I.–III. Heft; IV. Heft, 1ste. Hälfte; V. und VI. Heft. Imperial folio. Berlin, 1841–51.

- I. Heft. 1. Karte Inner Asien's, zu C. Ritter's Erdkunde, Buch 3, Uebergang von Ost nach West Asien. *On 4 sheets.* 1841.  
 2. Übersichtsblatt von Inner Asien enthält die Darstellung von sechs hypothetischen Profilen, etc.  
 3. Geographische Analyse der Karte von Inner Asien, Taf. 1–2.  
 4. Geographische Analyse der Karte von Inner Asien. Quarto, half-bound; in the Library.
- II. Heft. West Persien und Mesopotamien, zu C. Ritter's Erdkunde Buch 3, West Asien, Iranische Welt. 1843. *On 4 sheets, with a supplement.* (Only the North-east sheet.)
- III. Heft. 1. Entwurf des Kriegstheaters Russlands gegen Chiwa. 1840. Royal folio. Mit einer geographischen Analyse in 4to. (Wanting.)  
 2. Versuch einer Darstellung von Khorassan zu C. Ritter's Erdkunde, Buch 3. Iranische Welt, pages 147 bis 417. Berlin, 1840–41.  
 3. Versuch einer Darstellung von Farsistan. (Wanting.)  
 4. Denkschrift über den untern Laufs des Oxus zum Karabugas Haff des Caspischen Meeres, und über des Strombahn des Oehus, oder Tedshen der Neuern, zur Balkan Bay; nebst einem anhang merkwürdiger Nachrichten über die turanischen Länder, als Nachtrag der Geograph. Analyse eines Versuchs zur Darstellung des Aralo-Caspischen Gesenkes. *With 4 maps in 2 sheets:—*

## I.

1. Th. Bassiner Skizze des Amu Delta nach den Aufnahmen russischer Gesandtschaften im Jahre 1840 bis 1842.
2. Fragment der Karte aus Ortelius Theatrum Orbis Terrarum, 1570. *Russiae, Moseoviae, et Tartariae descriptio.* Autore Antonio Jenkensono, Anglo. Editi, Londini. Anno 1562.
3. Uebersichtsblatt zur Darstellung des Schiffbaren und unteren Laufes des Oxus gegen das Karaboghas Haff des Caspischen Meeres und des Oehus, den Tedshen den Neuern, mit Rücksicht auf den plastischen Bau des turanischen Wusten Gesenkes von Carl Zimmerman.

## II.

1. Charte vom Chanate Chiwa und einem Theile von Turkomanien (Murawief). Quarto, half-bound; in the Library.

IV. Heft, 1ste Hälfte. Atlas von Palaestina und der Sinai Halbinsel, zu C. Ritter's Erdkunde. Band XIV.–XVI. *On 15 sheets.* Berlin, 1850.

V. Heft. Fünf Karten zu Ritter's Erdkunde von Arabien:—

1. Darstellung der Küsten-Gegend von Oman und Mahra. 1846.
- 2–3. Hadramaut und Jemen. Plan von Aden. Socotra. Karte des Landstrichs zwischen Dsjidda und Tayf in Hedsehas Arabien. 1846. *On 2 sheets.*
4. Entwurf zu dem Kriegsschauplatze in Asyr vor dem Jahre 1824.
5. Skizze einer Karte von Asyr, und einem Theile von Hedjas und Nedjd, nach Chedufeu's Materialien. 1847.

VI. Heft. Das Stromgebiet des Indus, in 6 Blättern:—

- 1–4. Kriegstheater im Punjab. Vorläufiger und unvollendeter Abdruck der Karte des westlichen Himalaya und des Fünf Strom Landes am Indus zur Übersicht der Kriegs-Ereignisse in den Jahren 1845 und 1846.

*Also a later edition, entitled—*

Karte des oberen und Mittleren (des Fünftom) des Induslandes und des westlichen Himalaya zu C. Ritter's Erdkunde, III. Theil, Seite 589 bis 741, Seite 1061 bis 1203, und VII. Theil, Seite 5 bis 147, 196 bis 215. Berlin, 1851. *On 4 sheets.*

5. Versuch einer Darstellung von Süd Iran, zu C. Ritter's Erdkunde, VIII. Theil, Seite 713 bis 771, Beluchistan und Seistan.
6. Versuch einer Darstellung von Cutch, ferner des Landes am unteren Laufe des Indus, und des Landes der Beludchen im südöstlichen und südlichen Iran. Zu C. Ritter's Erdkunde: Ost Asien, VI. Theil, Seite 1035–1100; West Asien, VII. Theil, Seite 147–165; und dritter Abschnitt, Seite 711 bis 722. *On 2 sheets.* 1851.

ATLAS von ASIEN zu C. Ritter's allgemeiner Erdkunde, 1852.

II. Abtheilung. Dritte Lieferung. Entworfen und bearbeitet von Dr. H. Kiepert. Herausgegeben durch C. Ritter. Inhalt:—

1. Uebersichtskarte von Arabien. 2. Karte vom südwestlichen Arabien.
3. Uebersichtskarte von Iran. 4. West Persien. 5. Karte von Turan.

A COLLECTION of MAPS. One Vol., large folio, half-bound, and lettered on the back "Asiatic Maps."

1. Chart of the Indian Ocean, by *L. S. de la Rochette*. 1803.
2. Cape of Good Hope, by *Arrowsmith*. 1805. (2 sheets.)
3. Mauritius and Bourbon, by *Laurie and Whittle*. 1811.
4. Country between the Euphrates and Indus, by *John Macdonald Kinncir*. (*Arrowsmith*, 1813.)
5. A Map of Hindostan, or the Mogul Empire, by *James Rennell*, inscribed to Sir Joseph Banks.\* 1788.
6. Map of India, by *A. Arrowsmith*. 1804. (3 sheets.)
7. Chart of Pulo Penang, by *A. Arrowsmith*. 1805.

VORDER ASIEN. H. Kiepert's Neuer Hand Atlas, No. 28. Berlin, 1871. *Size, 20 inches by 24.*

## II. OVERLAND ROUTES AND COMMUNICATIONS BETWEEN EUROPE AND INDIA, OTHER PARTS OF ASIA AND AUSTRALASIA.

Sketch of the ROADS between CONSTANTINOPLE and DELHI. Compiled from the travels of Mons. Tavernier, Mr. Forster, and from other sources. 1813. *Scale, 100 miles to 1 inch; size, 20 inches by 34.* MS.

Outlines of the COUNTRIES between DELHI and CONSTANTINOPLE. By *A. Arrowsmith*. 1814. Additions to 1816. *Scale, 28 miles to 1 inch; on 6 sheets; size, 64 inches by 120.*

To His Excellency, &c., &c., Map of various ROUTES between EUROPE and INDIA, comprehending Western and Northern Asia, together with Asia Minor and Egypt, &c. By *J. B. Tassin*. Calcutta, 1834. *Scale, 110 miles to 1 inch; size, 32 inches by 44.*

\* \* This really contains India and South-western Asia.

Facts connected with the Origin and Progress of STEAM COMMUNICATION between ENGLAND and INDIA. By *J. H. Wilson*, Commander on the retired list, I.N. London, 1850. Svo., sewed.

\* For the Memoir to this Map, see page 84.

Map showing the STEAM COMMUNICATION and OVERLAND ROUTES between ENGLAND, INDIA, CHINA, and AUSTRALIA. London, W. H. Allen and Co 1855. Drawn and engraved by J. Walker. *Scale,  $4\frac{1}{2}$  degrees to 1 inch ; size, 26 inches by 33.*

Sketch Map showing the ROUTES between CONSTANTINOPLE and INDIA. By John Walker. No date. *Scale, 80 miles to 1 inch ; size, 40 inches by 27.*

### *Telegraphs.*

Map of the EASTERN HEMISPHERE. To accompany Letter, signed by Messrs. Hazlewood and Barry, to the Secretary of the Hon. Court of Directors of the East India Company. Showing the European and East Indian telegraph systems, and the Australia and China telegraph systems. April 1857. *Size, 17 inches by 15.*

Plan of a portion of the CONSTANTINOPLE and BUSSORAH Line of Telegraph, laid under the direction of Lieut.-Colonel Biddulph, R.A. Drawn by Lieut. Holdsworth, R.A. 1860. *Scale, 1 mile to 1 inch ; size, 30 inches by 44.*

TELEGRAPH TO INDIA COMPANY, LIMITED. Sketch Map, reduced from Sir M. Stephenson's Map of 1849-50, of railway communication between Europe and Asia, showing the lines of submarine and land cable proposed to be repaired and laid, and their relation to the already completed lines of telegraph in Europe, Asia, and Africa, which will by these means be all connected by the Telegraph to India Company (Limited). October 1861. *Size, 27 inches by 40. Litho.*

Proposed Extension of the Telegraphs of the EAST INDIES from Rangoon to Singapore, and ultimately to China and Australia. February 1862. *Size, 21 inches by 20. Litho.*

Sketch of the LINES of TELEGRAPH between EUROPE and INDIA. July 1864. Bright and Clark. *Size, 14 inches by 21.*

ANGLO-AUSTRALIAN and CHINA TELEGRAPH COMPANY, LIMITED. General Map of Telegraph Lines between England and Australia. 1864. *Size, 17 inches by 22. MS. tracing.*

Wyld's Outline Chart from ENGLAND to AUSTRALIA and CHINA, with the various telegraph lines laid down in MS. December, 1866. *Size, 27 inches by 40.*

Sketch Map showing the ROUTES between CONSTANTINOPLE and INDIA. 1867. Reduced from Mr. Walker's Map, with information added by the Indian Telegraph Department, Calcutta. *Scale, 160 miles to 1 inch ; size, 15 inches by 22.*

Telegraph Map showing the MAIN LINES between ENGLAND and INDIA. By James Wyld. Jan. 20th, 1868. *Size, 27 inches by 34.*

General SKETCH MAP to illustrate Lieut.-Colonel Fraser's Memorandum, dated 8th November 1868, on the proposal of the Director-General of Telegraphs to connect the Indian and European lines of telegraph with those proposed for the connexion of China, Singapore, Baturia, Java, and Australia. *Size, 41 inches by 54. MSS. tracings.*

Sketch of the Telegraph Routes between INDIA and EUROPE, showing those in operation, projected, and in progress. By Lieut.-Colonel Biddulph, R.A. *Size, 13 inches by 16.*

Map of ROUTES from EUROPE to UPPER INDIA and CENTRAL ASIA, via the Red Sea, the Euphrates Valley, and Kurrachee. No date. *Scale, 6 degrees to 1 inch ; size, 16 inches by 26.*

**IMPERIAL OTTOMAN EUPHRATES RAILWAY**, showing the present and proposed Routes from London to India. Sir John Maeneill, Telford Maeneill, Engineers. With a Table of Distances and Times of Transit. MS.

Map in explanation of Mr. William Montgomerie's Project of a Telegraph Line from INDIA to CHINA and AUSTRALIA, via Singapore. Size, 22 inches by 18. MS. tracing.

Map showing the proposed Submarine Cables connecting the British Colonies in AFRICA, INDIA, AUSTRALIA, and NEW ZEALAND, and also CHINA, JAPAN, the PHILLIPINE ISLANDS, and the Continent of SOUTH AMERICA with ENGLAND, by means of English stations throughout. Size, 8 inches by 13.

**MORSE'S RECORDING TELEGRAPH INSTRUMENT**, as patented and manufactured by Siemens and Halske, of Berlin. In 10 plates. Plate 8 missing.

### III. TRANS-INDIAN FRONTIER MAPS.

Map of the HIMALAYAN PROVINCES of HINDUSTAN, the PUNJAB, LADAKH, KASHMIR, KABUL, KUNDUZ and BOKARA. To illustrate the travels of *Moorecroft and Treebeck*. Constructed from their original field-books and notes by John Arrowsmith. 1841. Scale, 70 miles to 1 inch; size, 14 inches by 19.

**TRANS-FRONTIER MAPS.** Great Trigonometrical Survey of India. Scale, 16 miles to 1 inch.

Skeleton Sheet No. 4. Afghanistan, Kafiristan, Badakshan, Karratagin, Swat, Panjkora, Bajaur, Chitral. 1873.

—— No. 7. Chilas, Gilgit, Yassin, Kunjut, Sirikul, Pamir, Kashgar, Yarkund, Khotan, part of Tibet. 1872.

—— No. 8. The Indian frontier from Ladak to Kumaon, with adjacent part of Tibet.

—— No. 9. Parts of Nepal, Sikkim, Tibet, and Bhotan. 1873.

**REPORT of the TRANS-HIMALAYAN EXPLORATIONS** by employés of the GREAT TRIGONOMETRICAL SURVEY of INDIA, during 1873-74-75. Drawn up from the original records by Capt. Henry Trotter, R.E., Dep. Supt. G.T.S. Prepared to accompany the Administration Report for 1874-75 by Colonel J. T. Walker, R.E., F.R.S., Supt. G.T.S. With three maps:—1, Map illustrating the Reports on the Havildar's Route through Afghanistan, Kolab, and Darwaz; and the Mullah's Route from Jalalabad to Sarhad-i-Wakhan, 1873-74; 2 and 3, Sheet 1 and Sheet 2 of Maps illustrating the Report of the Pundit's Route through Great Tibet from Ladakh to Assam, via the Tengri Nur (Lake) and Lhasa, in 1874. Calcutta, 1876. Folio.

\*.\* See also General Reports on the Great Trigonometrical Survey of India from 1864-65 to the present date for Reports and Maps of Trans-Himalayan Explorations, pages 29 and 30 of this catalogue.

#### *Kafiristan.*

An attempt at a **ROUGH SKETCH of KAFIRISTAN**, from Kafir information, with a Memo. on the authorities employed. Signed P. S. Lumsden, Kandahar Mission, January 1858. Scale, 8 miles to 1 inch; size, 20 inches by 24. MS.

#### *Valleys on the Western Frontiers of Kohat and Bannu.*

A Sketch of the **FRONTIER beyond BUNNOO**; including Khost, Torees, Jajee, and Dour. By Lieut. Fraser Tytler, 1840. Size, 9 inches by 14. MS.

Sketch Map of the UPPER MERANZAI and KOORUM VALLEYS. With remarks signed P. S. Lumsden, Deputy Assistant Quartermaster-General. Compiled from a military reconnaissance made in 1855-56, by Lieut. W. Garnett, Bengal Engineers, and Lieut. P. S. Lumsden, Deputy Assistant Quartermaster-General. Drawn by H. H. Godwin-Austen, Lieut. H.M. 24th Regiment. Peshawur, December 1856. *Scale, 2 miles to 1 inch; size, 27 inches by 37.*

Country of the MAHSOOD WUZEERIS, surveyed during the expedition, April-May, 1860, under Brigadier-General Chamberlain, C.B. Hill sketching by Major Walker, traverse of route by Lieut. Basseir, assisted by Lieut. Branfill, map outlined and shaded by Major Walker, &c. *Scale, 2 miles to 1 inch; size, 35 inches by 26.*

\* \* The original MS. signed by Major Walker, and also a printed copy.

Sketch Map of the Road between THULL and GHUZNEE, showing the route by the Paiwar Kothul and down the Shooturgurdun through Logur. By Lieutenant P. S. Lumsden, Kandahar Mission, January 15, 1858. *Scale, 4 miles to 1 inch; size, 24 inches by 34.*

Part of AFGHANISTAN between the parallels of  $33^{\circ}$  to  $34^{\circ} 30'$  N. latitude, and the meridians of  $68^{\circ} 18'$  to  $70^{\circ} 30'$  E. longitude. 1866. *Scale, 4 miles to 1 inch; size, 39 inches by 48.* MS.

\* \* This map includes the upper part of the Caubul River and its southern affluents, as far east as Bassole; also the upper parts of the Koorum and Shummall Rivers.

### *Nepal.*

#### *Kirkpatrick's Routes.*

A Map of PART of NEPAUL with Capt. Kirkpatrick's Routes, (in 1793). No title, except the foregoing endorsement, or date. *Scale, 4 miles to 1 inch; size, 30 inches by 50.* MS.

Memoir for illustrating a GEOGRAPHICAL SKETCH of NEPAUL and the ADJACENT COUNTRIES. By Capt. William Kirkpatrick. (1793.) Fcp. 300 pages, stiff cover.

#### *Crawford's Surveys. 1805.*

I. NEPAUL. (An elaborate map of the Valley of Nepal, by Captain C. Crawford.) No date. *Scale,  $\frac{3}{4}$  mile to 1 inch; size, 28 inches by 30.* MS.

II. A Map of the ROUTE to NEPAUL, including the valley. By Capt. C. Crawford. No date. *Scale,  $1\frac{6}{10}$  miles to 1 inch; size, 51 inches by 30.* MS.

\* \* The route is from Sugowlee to Katmandoo.

III. A Map of the NEPAUL TERRITORIES and other PORTIONS of the HIMALAYA MOUNTAINS, delineating:—the headwaters of the Ganges from Gangoutree, Kedarnauth, and Badreenauth;—the source of the Western Gunduek from Mustang on the north of Mukteenauth, with the situation of the course of the Brimpootra (Sanpoo) beyond:—the eastern affluents of the Gunduek;—the Valley of Nepal and the Bogmuttery river; the headwaters of the Coosy;—the Maha-tchieu descending from Chumulari, with the course of the Brimpootra (*sic*) on the north. Also, routes through Nepal from Dugartcheh (Shigatze) on the east, to Gangoutri and Hurdwaur on the west. Also, the positions of the Snowy Peaks, A to N, of which continuous panoramie views are given in five plates in Hamilton's "Aecount of the Kingdom of Nepal," 1819. No title or date. By Capt. C. Crawford. *Scale, about  $14\frac{1}{2}$  miles to 1 inch; size, 30 inches by 51.* MS.

\* \* In this map the sources of the Ganges were delineated from the reports of pilgrims, before Webb's survey was made, by which its essential features

were confirmed. Hamilton, in his "Account of Nepal," states that it was Capt. Crawford's map which induced Colonel Colebrooke to question D'Anville's representations, derived from Thibetan Lamas, respecting the sources of the Ganges. Till then D'Anville was received as the highest authority on the subject.

#### IV. A Map of the NEPAUL TERRITORIES. By Major C. Crawford. 1811. *Scale, about $7\frac{1}{2}$ miles to 1 inch; size, 60 inches by 90.* MS.

" " This map embraces nearly the same area as the foregoing, but it is more recent and the scale is twice as large. It contains many additional details and some alterations. The number of observed snowy peaks is considerably extended, and the ensuing list of them following the title is quoted as an indication of the progress of Himalayan geography at that early period.

I, II, III, Snow mountains seen and laid down from the neighbourhood of Nathpoo.

$\alpha$ ,  $\beta$ ,  $\gamma$ ,  $\delta$ ,  $\epsilon$ , Snow mountains seen and laid down from Nathpoo, Mudhoobunee, &c.

A, B, C, D, E, F, G, H, I, L, M, N, O, P, Y, Snow mountains seen and laid down from Cathmandoo, and from Mudhoobunee to Betiah.

$a$ ,  $b$ ,  $c$ ,  $d$ ,  $e$ ,  $z$ , Snow mountains seen and laid down from Betiah to Goruckpoo, &c.

1, 2, 3, 4, 5, 6, Snow mountains seen and laid down from near to Bareilly and Moradabad, &c.

The Northern half of this map is missing.

#### *Sir D. Ochterlony's Campaign. 1816.*

A Map of the ROUTES by which GENERAL SIR DAVID OCHTERLONY'S ARMY advanced in Three Divisions towards MUKWANPOOR (Nipaul) in February 1816, by G. Lindesay, Lieut. Engineers. S.G.O., 9th May 1820. *Scale, 4 miles to 1 inch; size, 27 inches by 32.* MS.

Sketch of the STOCKADES covering the CHEEREEAGHATEE PASS (on the Route to Mukwanpoo). See Lindesay's Map of Sir D. Ochterlony's Routes in Nipaul (*i.e.* the foregoing). *Scale, 120 paces to 1 inch; size, 17 inches by 21.* MS.

#### *Nepal Boundary Surveys.*

*By Lt. Garden.*

Map of the BOUNDARY between the BRITISH and NEPAUL DOMINIONS from the ARRAH NULLA to the RIVER GUNDUE, as defined by Sir R. Martin, Bart., Commissioner on the part of the British Government, and Kaje Persad Sing, Sirdar Sirtur Sal, and Khurdar Gunput Upadeea, Commissioners on the part of the State of Nipaul. Surveyed by William Garden, Dy. Asst. Qr. Mr. G. 13th May 1817. *Scale,  $1\frac{1}{2}$  miles to 1 inch; size, 22 inches by 67.* MS.

Reduction of the same made at the S.G.O. Calcutta, 1822. *Scale, 4 miles to 1 inch; size, 19 inches by 25.* MS.

*By Lieut. Boileau.*

SURVEY made by order of British Government in India of NIPAULESE BOUNDARY on NORTHERN FRONTIER of TIRHOOT in NORTH BEHAR, as defined by British and Nipaulese Commissioners in April, A.D. 1817. By Lieut. John Peter Boileau, Com. Nipaul Resid. Escort, and Surveying Officer. *Scale, 2 miles to 1 inch; size, 26 inches by 59.* MS.

Reduction of the SURVEY made by order of the British Government in India of the NIPAULESE BOUNDARY on the NORTHERN FRONTIER of TIRHOOT in NORTH BEHAR, as defined by British and Nipaulese Commissioners in April, A.D. 1817. By Lieut. John Peter Boileau, Com. Nipaulese Resid. Esecort, and Surveying Officer. S.G.O. Calcutta, 6th December 1822. *Scale, 4 miles to 1 inch; size, 23 inches by 32.* MS.

SURVEY of the BRITISH BOUNDARY on the FRONTIER of TIRHOOT, as defined by British and Nepaulese Commissioners, on the cession of the Terace. By Lieut. J. P. Boileau, Surveying Officer. 8th March 1817. Fcp., 24 pages in a cover. MS.

Reduction of the SURVEY of the BOUNDARY between the BRITISH and NIPAULESE POSSESSIONS on the NORTH WEST FRONTIER of ZILLAH CHUMPARUN in NORTH BEHAR. Connecting the previous Surveys of the Boundary in Zillah Goruckpoor on the west and Chumparun on the north-east. Executed under the Superintendence of W. F. Clark, Esq., British Commissioner, &c. By Lieut. J. P. Boileau, Commanding Nipaul Residency Esecort, and Surveying Officer. A.D. December 1817. S.G.O. Calcutta, 6th December 1822. *Scale, 4 miles to 1 inch; size, 17 inches by 19.* MS.

Survey of the NEPAL BOUNDARY along the course of the Ooreea Nuddee, in continuation from the boundary on the Chumparun District to that on the Goruckpoor, ending on the Gunduek River. 25th November 1817. By Lieut. J. P. Boileau. Fcap., 72 pages in a cover. MS.

Survey of the BRITISH BOUNDARY on the NORTHERN FRONTIER of the ZILLAH of POORUNNEEA in NORTH BEHAR, &c. Executed under the Superintendence of Shearman Bird, Jun., Esq., British Commissioner. By Lieut. John Peter Boileau, Commanding Nipaul Residency Esecort, and Surveying Officer. A.D. January 1818. *Scale, 2 miles to 1 inch; size, 26 inches by 48.* MS.

Reduction of the SURVEY of the BRITISH BOUNDARY on the NORTHERN FRONTIER of the ZILLAH of POORUNNEEA in NORTH BEHAR, &c. Executed under the Superintendence of Shearman Bird, Jun., Esq., British Commissioner. By Lieut. John Peter Boileau, Commanding Residency Esecort, and Surveying Officer. A.D. January 1818. S.G.O. Calcutta. 6th December 1822. *Scale, 4 miles to 1 inch; size, 17 inches by 26.* MS.

*By Capt. Hodgson.*

Map of the NEPAUL FRONTIER and TERRYE between the Rivers Gunduek and Bogmutty, with surveyed routes connecting the same with Dinapore and Patna. By J. A. Hodgson, Capt. and Surveyor. S.G.O. Calcutta. November 1821. *Scale, 4 miles to 1 inch; size, 46 inches by 30.* MS.

*By Lieut. J. Pickersgill.*

Sketch of the LINE of BOUNDARY between the NEPAUL TERRIANI and the ZILLAH SARUN. Prepared for the information of the Government. Reduced from the original survey by Lieut. J. Pickersgill. *Scale of  $1\frac{1}{10}$  inches to a mile, to a scale of 4 miles to 1 inch.* S.G.O. Calcutta, 6th December 1822. *Size, 21 inches by 17.* MS.

Map of the FRONTIER DISTRICTS of NIPAL and NORTH BEHAR lying between the Rivers Gunduek and Coosee. 1840. Compiled from maps and other information in record at the Presidency, or contributed by the Public Officers



of Government for the purpose, and including some valuable materials obligingly lent by persons possessing them. *Scale, 4 miles to 1 inch; size, 39 inches by 66; mounted to fold.* MS.

\* \* With a section of the road into Nipal from Baragurhi to Noakote, according to Colonel Kirkpatrick.

**Preliminary Sketch of NIPAL and the COUNTRIES adjoining to the SOUTH, WEST, and EAST.** October 1855. Compiled in the Office of the Surveyor-General of India, from actual survey, other available materials, itineraries of travellers and from information, reduced to a scale of 16 miles to 1 inch from the original compilation. 24th April 1856. *Size, 28 inches by 49.*

**The BOUNDARY between NIPAL and OUDH, from Bhugora Tal to the Surda River, as defined by the British and Nepal Commissioners and approved by orders of the Supreme Government of India in the Foreign Department.** Dated 29th August 1861, No. 3,686. Surveyed by Lient. F. C. Anderson, Revenue Surveyor and Boundary Commissioner. Season 1859-60. Compiled on the Basis of the Triangulation of the Great Trig. Survey of India. *Scale, 4 miles to 1 inch; size, 26 inches by 37.* MS.

**The DINGRI MAIDAN and UPPER ARUN RIVER with the Eastern and Western Sources of the Kosi or Kosiki River, the great eastern tributary of the Ganges, also part of Great Tibet.** From a route survey made by an Asiatic Explorer. Compiled from the original materials by Major T. G. Montgomery, R.E., F.R.S., &c. Deputy Supt. G. T. Survey of India. 1871. *Scale, 16 miles to 1 inch; size, 20 inches by 21.*

\* \* This Map accompanies a memoir on the same subject in the General Report on G. Trig. Survey of India for 1871-2, and supplies important rectifications of the last general Map of Nepaul published in 1855. It embraces all Eastern Nepaul from the Gunduk and Katmandu, eastward to the Sikkim frontier, together with that part of Tibet which lies between Eastern Nepaul and the Sangpo River. These regions contain the Himalayan basin of the Kosi, of which the Arun is the main stream, rising between the northern and southern ranges of the Himalaya draining the intermediate plateau for a length of more than 200 miles, and cutting through the southern range in a stupendous gorge from which Mount Everest rises on the west to 29,002 feet, and Kanachinjinga on the east to 28,156 feet. This exploration is an important extension of Dr. Hooker's famous journey to Wallangchoon Pass, and it is a great step towards the elucidation of the general features of Eastern Nepaul on a scientific basis.

**Map to illustrate the REPORT on the EXPLORATIONS TRANS-HIMALAYAN and in Nepal, made during 1873.** *Scale, 16 miles to 1 inch.*

\* \* This map accompanies a narrative in the G.T.S. Report for 1873-74, and extends through Western Nepal.

\* \* See also Trans Frontier Maps, Nos. 8 and 9, page 466; and a map of Trade Routes to Tibet, in the "Statement" for 1872-73, page 2 of this catalogue.

### *Butan.*

**BHOOTAN, 1863.** Photographed from an unfinished compilation at the S. G. O. Calcutta. *Scale, 8 miles to 1 inch; size, 26 inches by 38.*

**BOOTAN, with the BENGAL DOOARS, illustrating the Route of the Mission of 1864.** Compiled in the Office of the Surveyor-General of India, Calcutta. October 1864. Second edition, July 1865. *Scale, 8 miles to 1 inch; size, 27 inches by 40.*

Plane Table Sketch of WESTERN BHOOTAN. Surveyed by Capt. H. H. Godwin-Austen, Surveyor Topographical Survey of India. 1864. *Scale, 4 miles to 1 inch ; size, 25 inches by 32.* MS.

\* \* \* With an enlargement of Daling Fort.

A Map of BOOTAN and the adjoining BRITISH TERRITORY showing the tract of country to be occupied by the British. To accompany a Parliamentary Paper, East India, Bootan, No. 47. Ordered by the House of Commons to be printed, 15 February 1865. No title. *Scale, about 20 miles to 1 inch ; size, 14 inches by 16.*

Preliminary Map of BHOOTAN, 1874. *Scale, 8 miles to 1 inch.* Compiled in the office of the Surveyor General of India, Calcutta, from Topographical Surveys during 1864-66, by Capt. Godwin-Austen, and Lieuts. Strahan and Horditch, R. E., under the direction of Colonel H. Thuillier, C.S.I.

See Preliminary Chart of Cherrapoonjee and Sylhet, also of the Assam Valley, for the triangulation of Snowy Peaks in the Bootan Himalaya, page 37.

See also Eastern Frontier of British India by Pemberton, page 171.

#### IV. WESTERN ASIA, INCLUDING TURKISTAN.

\* \* \* The name of Central Asia in the following maps is misapplied, as it is given to countries lying between the western limits of the continent and the girdle of mountains which encloses its truly central part.

Atlas to accompany a TREATISE on the COMPARATIVE GEOGRAPHY of WESTERN ASIA, by the late Major James Rennell. Engraved by J. Walker. Published by Major Rennell in 1808, 1809, 1810, and 1811, and republished by Lady Rodd in 1831.

##### CONTENTS :

No. IX. General view of the Geographical Construction of Western Asia. Part 1st. Between the Dardanelles and Shiraz ; the Russian Frontier and Egypt.

No. X. The Geographical Construction in detail of Asia Minor, &c.

No. XI. (A.) Syria and Northern Palestine ; (B. to E.) Parts of Mesopotamia.

No. XII. (F. to H.) Charts of portions of the Shores of the Black Sea and Archipelago ; (I.) A chart of the Euxine Sea to explain the Memoir on the Periplus of Arrian, &c.

A Map of Western Asia, in 4 sheets, 1809.

A Map of the Comparative Geography of Western Asia, in 6 sheets, 1809. Bound in a cover ; size, 25 inches by 20.

Maps to MAJOR RENNELL'S RETREAT of the TEN THOUSAND, &c., 1809-1815. Sheets, 2 and 3 in a cover ; size, 21 inches by 15.

CENTRAL ASIEN, *nemlich* Bokhara, Cabool, Persien, der Indus Ström und die oestlich derselben gelegenen Laender. Weimar, 1835. *Scale, 75 miles to 1 inch ; size, 21 inches by 30.*

\* \* \* With Alex. Burnes' routes.

Map of TOORKISTAN and WESTERN TARTARY, compiled from routes and printed materials under the superintendence of Captain W. C. MacLeod, M.N.I., 1841. *Scale, 36 miles to 1 inch ; size, 50 inches by 60.* MS.

КАРТА ЦЕНТРАЛЬНОЙ АЗИИ. Map of CENTRAL ASIA, compiled from the latest materials and engraved at the Topographical Depot, St. Petersburg. 1863. In Russian. *Scale, 66 miles to 1 inch ; on 4 sheets ; size, 40 inches by 44.*

Also, later editions, dated 1870 and 1873.

**CENTRAL ASIA** and the recent Russian **ACQUISITIONS** in **TURKESTAN**. The map to Michell's "Russians in Central Asia," 1865. *Scale, 100 miles to 1 inch ; size, 27 inches by 20.*

Map of part of **CENTRAL ASIA**, showing the Russian possessions and conterminous countries. Topographical Dépôt, War Office, 1866. *Scale, 68 miles to 1 inch ; size, 27 inches by 33.*

**CENTRAL ASIA**, mapped on the basis of the most recent surveys that have been made by British and Russian Officers. Compiled under the superintendence of Lieut.-Col. J. T. Walker, R.E., F.R.S., &c., Superintendent of the Great Trigonometrical Survey of India. By W. H. Scott, &c. 1866. *Scale, 50 miles to 1 inch ; on 2 sheets ; size, 30 inches by 44.*

**TURKESTAN** with the adjoining portions of the **BRITISH** and **RUSSIAN TERRITORIES**. Mapped on the basis of the surveys made by British and Russian Officers up to 1867. Compiled and photozineographed under the orders of Lieut.-Colonel J. T. Walker, R.E., F.R.S., &c., Superintendent of the Great Trigonometrical Survey of India, at his office in the Dehra Doon, in October and December 1867, and in June and August 1868. The Russian boundary and military districts are taken from a map by A. Ilyin, St. Petersburg, received in August 1868. *Scale, 32 miles to 1 inch ; on 4 sheets ; size of each, 28 inches by 42 ; price 16s.*

\* \* This edition omits the Upper Zarafshan River.

Also, the second edition, corrected and enlarged, entitled **Turkestan**, with the adjoining portions of the British, Russian, and Native Territories. Mapped on the basis of the surveys made by British and Russian officers up to 1872. G. T. Survey Office, Dehra Dun. April and May, 1873. With a separate Addendum to Sheet No. 1.

\* \* The Atrek river is here made the Persian boundary.

Also, the revision of the second edition, dated November 1873.

\* \* With the Persian boundary advanced to the edge of the highland.

**A COLLECTION** of Col. Walker's **NOTES** on his Maps of Central Asia and **Turkestan**:—1, dated 4th June 1873, with postscript dated 11th Dec. 1873 ; 2, dated 9th Dec. 1873 ; 3, dated 5th Jan. 1874. Folio, 16 pages.

Sketch Map of the Countries between **HINDOOSTAN** and the **CASPIAN SEA**. Compiled in the Office of the Surveyor-General of India. Calcutta 1870, with additions to 1872. *Scale, 64 miles to 1 inch ; size, 25 inches by 34.*

Map of **CENTRAL ASIA** ; to accompany Report by Capt. C. J. East, Offg. 1st Assist. Q.M. General. Calcutta, 1869. *Scale, 65 miles to 1 inch ; size, 34 inches by 30.*

Map of a portion of **CENTRAL ASIA** ; comprising the countries between the Russian possessions and British India. Compiled at the Topographical Department, War Office. 1873. *Scale, 32 miles to 1 inch ; size, 25 inches by 33.*

**GENERAL KARTE** von **CENTRAL ASIEN** bearbeitet nach den besten und neusten Russischen und Englischen Quellen im K. K. milit. geographischen Institut in Wien. 1874. *Scale, 1 : 3,024,000, or 47.7 miles to 1 inch ; size, 54 inches by 60.*

Sketch of a **JOURNEY** from **HERAUT** to **KHIVA** and **ST. PETERSBURGH**, by Captain James Abbott (Royal Artillery). Herant, 1839–40. Feap. 18 pages. MS.

Tabular Route from KHIVA to DUSHT KULLA, taken by Lieut. R. C. Shakespeare with the Russian Prisoners. Feap. 5 pages. MS.

Map of the KHANAT of BOKHARA and a portion of the KIRGHIZ STEPPES. Prepared by Colonel Baron Meyendorff, and revised by the Chevalier Colonel Lapie, of the Corps of Royal Geographical Engineers of France, and the Chevalier Amadis de Jaubert, of the French Royal Staff Corps, &c. Lithographed and printed under the direction of Major T. B. Jervis, F.R.S., &c., 1843. *Scale, 70 miles to 1 inch; size, 18 inches by 14.*

A tracing in French of the COUNTRY between ORENBURG, KHIVA, and KOKAND, with this note:—"Pour les détails de la marche des Russes sur Khiva voir la page 374 du Voyage en Afghanistan." No date, &c. *Size, 13 inches by 20.*

Route (of Italian Merchants) from the SYR DĀRIA RIVER to BOKHARA. *Scale, 3 miles to 1 inch; size, 40 inches by 27.*

Rough Sketch of Caravan Routes through the PAMIR STEPPES and YARKUND, from information collected from Mahomed Ameen Yarkundi, late guide to Messrs. De Schlagintweit. By Captain P. S. Lumsden. *Scale, 25 miles to 1 inch; size, 27 inches by 40.*

KHIVA. Ordnance Survey Office, 1873. *Scale, 46 miles to 1 inch; size, 22 inches by 17.*

Sketch Map of EASTERN TURKESTAN, showing the Hydrography of the Pamir to the east, the true courses of the Yarkand and Karakash Rivers, with all the routes from Ladak across the Karakoram, and adjacent ranges. By Geo. J. W. Hayward. *Scale, 16 miles to 1 inch; size, 23 inches by 36.* Photograph.

Preliminary Map of EASTERN TURKESTAN, to illustrate the reports on Sir Douglas Forsyth's mission to Kashgar. 1873-74. Compiled by Capt. H. Trotter, R.E., Dep. Supt. G. T. Survey of India. Drawn and photolithographed in the Office, &c., 1875. *Scale, 40 miles to 1 inch; size, 27 inches by 40.*

Map of SYR DĀRIA (Jaxartes) between FORT PEROFSKI and BAILYR TUGAI. Compiled by Admiral Alexis Butakoff according to astronomical points determined by him, and from land surveys made under his superintendence by Captain Golovoi and the Topographers Zolotov and Kolesnikoff in the year 1863. Delra Doon, 1867. *Scale, 7 miles to 1 inch; size, 34 inches by 26.*

## V. AFGHANISTAN.

AFGHANISTAN. A series of memoirs by members of Mr. Elphinstone's Mission to Cabul in 1809. The first volume is missing. Vols. 2, 3, 4. Folio, half-bound.

### VOL. 2.

Memoir of a Map of Caboul and the adjacent countries comprehending the space between  $59^{\circ} 50'$  and  $78^{\circ} 20'$  East Longitude and  $24^{\circ}$  and  $40^{\circ}$  North Latitude. In two parts. By the late Lieut. Macartney.

### VOL. 3.

Memoir on the Climate, Soil, Products, and Husbandry of Afghanistan and the neighbouring countries. By Lieut. Irvine.

## VOL. 4.

Memoir chiefly on the Revenue and Trade of the Kingdom of Caubul. By Mr. Richard Strachey.

Route of SHAH SOOJAH, in his Expedition against Candahar and Retreat. 1833–34. An itinerary on a sheet of fcap. MS.

Route of J. G. GERARD, Esq., from HERAT to PESHAWUR, 1833. Scale, 5 miles to 1 inch; on 7 sheets; size of each, 19 inches by 23:—

- No. 1. From Herat to Jeja.
2. From Jeja to Dilaram.
3. From Dilaram to Koosh ke Nukhood.
4. From Koosk ke Nukhood to Teerundaz Minar.
5. From Teerundaz Minar to Chuhardeh.
6. From Chuhardeh to Tezee.
7. From Tezee to Lalpoor.

Besides the routes of Dr. J. G. Gerard in 1833, the maps also exhibit the route of Mr. Forster in 1783. The names of Tribes and Districts are distinctly introduced, and the Natural Features and Products of the country are abundantly denoted. There are also lengthy Remarks on the cities and other objects of special interest. MSS.

Memoir of a MAP constructed from the late Dr. J. G. GERARD'S JOURNAL of his ROUTE through AFGHANISTAN from HERAT to PESHAWUR. By A. Gerard, Captain, B.N.I. 1833. On 20 pages, fcap. MS.

*Sir Alex. Burnes' Missions.*

REPORTS and PAPERS, Political, Geographical, and Commercial, submitted to Government, by Sir A. Burnes, Lieut. Leech, Dr. Lord, and Lieut. Wood, employed on Missions in the years 1835, '36, and '37, in Scinde, Afghanistan, and adjacent countries. Printed by order of Government. Calcutta, 1839.

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*Political.*

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2. On the Persian faction in Cabool.
3. Supplemental paper on the Persian faction in Cabool.
4. On the political state of Cabool.
5. Views and prospects of Russia in Central Asia, particularly towards Khiva and Herat.
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7. Views and prospects of Russia and Persia towards Candahar.
8. On Herat, with a sketch of the state of affairs in the surrounding countries.
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*Geographical.*

- No. 1. A geographical notice of the south side of the valley of the Cabool River &c. By Lieut. John Wood.
2. Description of the Khyber Pass, and of the tribes inhabiting it. By Lieut. R. Leech.

3. Description of the passage of the Indus at Attock by a bridge of boats. By Lieut. R. Leech.
4. Description of the system of fords of the River Indus. By Lieut. R. Leech.
5. Survey of the road between Cabool and Toorkistan.
6. Memoirs to accompany a reconnoitring survey of the road from Cabool to Toorkistan, by the line of Bumean and the Pass of Hajeyuk. By Lieut. John Wood.
7. Description of the passes over the Hindoo Koosh range of mountains, from the Koh Duman of Cabool. By Lieut. R. Leech.
8. Some account of a visit to the Plain of Koh-i-Daman, the mining district of Ghorbund, and the Pass of the Hindn Kush, &c. By P. B. Lord, M.D.
9. Medical memoir of the Plain of the Indus. By P. B. Lord, M.D.
10. On the Siah-posh Kaffirs, with specimens of their language and costume. By Captain Burnes.
11. On the localities of coal near the Indus. By Captain A. Burnes.
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*Commercial.*

- No. 1. Navigation of the Indus. On the ports or accessible mouths of the Indus. By Captain Alex. Burnes.
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  8. Report on the commerce of Multan. A short notice of Leia. Report on the trade between Shikarpoor and Herat. By Lieut. R. Leech.
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  12. Prospects of trade with Turkistan, in reference to the contemplated establishment of an annual fair on the banks of the Indus. By P. B. Lord, Esq.
  13. Description of articles, mostly Russian, found in the bazaar of Cabool, and brought to it by way of Bokhara. By Nowrojee Furdoonjee.
  14. Report on the weights, measures, and coins of Cabool and Bokhara. By Nowrojee Furdoonjee.
- Appendix. Lists of specimens of articles of commerce and trade submitted by the officers employed on missions in Seinde, Afghanistan, and adjacent countries in 1835, '36, '37.

In one vol. fcap. folio, stiff covers.

**An ATLAS of the ROUTE of CAPTAIN ALEX. BURNES' MISSION to CAUBUL, from the KHYBER PASS to the HINDOO KOOSH, with a plan of the bridge of boats across the Indus at Attock. No title. Reports and papers, followed by maps in one folio atlas, half bound. MSS.**

I. *A list of the Manuscripts, Reports, and Papers.\**

Description of the Passage of the Indus at Attock by a bridge of boats, to accompany the plan. By Lieut. R. Leech.

Description of the System of Fords of the River Indus. To accompany the plan. By Lieut. R. Leech.

A Geographical Notice of the South side of the Cabool River, with the topography of a route leading from Khyber to Cabool. By Lieut. John Wood, I.N. 1837.

Memoir to accompany a Reconnoitring Survey of the Road from Cabool to Toorkistan, by the line of Bamian and the pass of Hajeyak. By Lieut. J. Wood, I.N.

Description of the Passes over the Hindoo Coosh Range of Mountains from the Koh Daman district of Cabool. To accompany the survey. By Lieut. R. Leech. An Appendix containing:—

- No. 1. Route from Cabool to Farajghan the mart of Caferisthan.
- „ 2. Route from Jalalabad to Farajghan.
- „ 3. Route from Jalalabad to Cashgar.
- „ 4. Route from Jalalabad to Cashgar, viâ Coonad.
- „ 5. Route from Dera Ghazee Khan to Candhar through the Sakhee Sarwar pass.
- „ 6. The Sangad or Buzdar pass joining the former at Raknees.
- „ 7. Route from Dera Ghazee Khan to Candahar through Mohavee or Boree pass.
- „ 8. Caravan route from Dera Deen Panak to Candahar through the Hyab. or Wahooa pass.
- „ 9. Road from Tal to Shikarpoor through the mountains, difficult for led horses.
- „ 10. The Jawan road from Candahar to Bibee Manee in the Bulan pass.
- „ 11. Caravan Route from Ghaznee to Leia by the Gomal or Gholaree pass.

II. *A list of the Maps.*

I. Plan of the Bridge of Boats thrown across the Indus at Attock; with figures showing their construction by Lieut. R. Leech.

II., III., IV. Route of Capt. Alex. Burnes' Mission from the Khyber pass to Kabool, 1837. No. 1, Duka to Synoo; No. 2, Synoo to the Soorkh Road; No. 3, from Soorkh Road to Cabool.

V. Reconnoitring Survey of the Khyber Pass from Jamrood to Daceea, by Lieut. R. Leech. Maps, sections, and sketches.

VI. View of Suffeid Koh from Burroo.

VII., IX., X. Reconnoitring Survey of the Road from Cabool into Toorkistan, by Lieut. J. Wood, I.N. No. 1, 2, 3 sheets.

XI. Reconnoitring Survey of Parts of the Koushan and Ghorband passes of Hindoo Koosh, by Lieut. R. Leech.

The ROUTES of CAPT. ALEXANDER BURNES from Attock on the Indus, through Afghanistan, Turkistan, and Persia. The original drawings by Lieut. J. Wood, without title or date. *Scale, 8 miles to 1 inch.* MSS.

Sheet 1. Missing.

2. Attock, Cabool, and the Bameean pass.
3. The northern end of the Bamean pass, Khooloom, Balkh, and the Oxus river.
4. The canals of Balkh, the Oxus river, Bokhara, and Charjooee.
5. Charjooe, Merve, &c.
6. Shurukhs, the Durbund pass, Meshed, Boojnoord.

\* These are included in the printed collection of Burnes' Reports.

7. Boojnoord, Astrabad, the Caspian Sea.
8. The Caspian to Tehran, &c. south of Tehran, the route is set off on a direct line only to Ispahan.
9. Isfahan with routes from Tehran to Shiraz laid down in a direct line only.
10. Shiraz to Bushire, with a direct line only for the route.

ROUTE of CAPT. ALEX. BURNES' Mission from the Khyber pass to Kabool. 1837. By Lieut. J. Wood. *Scale, 2 miles to 1 inch.*

- No. 1. Duka to Synnoo.
- „ 2. Synnoo to Soorkh Rood.
- „ 3. Soorkh Rood to Cabool.

Survey of the ROUTES from PESHAWAR to BAMIAN, by Lieuts. R. Leech and J. Wood. *Scale, 5 miles to 1 inch; size, 36 inches by 73.*

- \* With 22 vertical sections of the Khyber pass, 38 sections of the Hindoo Koosh, and 24 sections on the Bameean route. Also views of Aly Musjid and Landee Khana in the Khyber pass, and of the Hindoo Koosh from Kata Sang. MS.

A RECONNOITRING SURVEY of the ROAD from CABOOL into Toorkistan, by the idols of Bamian and pass of Hageyuk. By Lieut. J. Wood, Ind. Navy. *Scale, 2 miles to 1 inch.*

- No. 1. Cabool to Sirehushma. With vertical sections and notes on the passes, Nos. 1, 2, 3.
- „ 2. Sirehushma to Gooljatooe. With vertical sections and notes. Nos. 4, 5, 6, 7.
- „ 3. Gooljatooe to Bamian. With vertical sections and notes. Nos. 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24. On 2 sheets. Also a neat copy on 1 sheet.
- „ 4. Bamian to Syghlan. With vertical sections and notes. Nos. 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38. On 2 sheets.
- „ 5. Syghlan to Mather. With vertical sections and notes. Nos. 39, 40. On 2 sheets.
- „ 6. Mather to Rooee. With vertical sections and notes. Nos. 41, 42, 43, 44, 45, 46, 47, 48, 49. On 2 sheets.
- „ 7. Rooee to Ghazi Murgh. With vertical sections and notes. Nos. 50, 51, 52, 53, 54.

MSS.

A RECONNOITRING SURVEY of the KHAWK PASS and PANCHSHIR VALLEY, the most easterly and best route between Kabul and Turkestan. By Lieut. John Wood, I.N. 1841. *Scale, 2 miles to 1 inch.* With 3 vertical sections of passes, and remarks. *Size, 22 inches by 29.*

*Lieut. Wood's Exploration of the Oxus, &c.*

Map of the UPPER VALLEY of the RIVER OXUS from Koondooz to its source, showing the new ground explored by Lieut. J. Wood, Indian Navy, in 1837-38. *Scale, 12 miles to 1 inch; size, 24 inches by 45.* MS.

A map of the HINDOO KOOSH including on the North the Valley of the Upper Oxus, from lake Victoria to Balkh; and on the South the Caubul River, and affluents from Ghuznee to Attock, &c. No title or date. (1840?) *Scale, 8 miles to 1 inch; size, 37 inches by 50.* MS.

INDUS, CAUBUL, and OXUS RIVERS. Wood's original Field Books in 4 vols., 4to half bound, 1837-38. MS.



**ASTRONOMICAL OBSERVATIONS** in KOONDOOZ and AFGHANISTAN and on the INDUS. Meridian altitudes and time worked out 1838. At Ist Kashn, Jerm, Koondooz, Huzeerat Imaum, lake Sirikol, Surgus Keesh in Wachan, Do-aub N. of Hindoo Koosh, and Cabul. No title. By Lieut. Wood, On 33 pages, fcap., unbound. MS.

Field book from KHYBER PASS to KABOOL. 4to. Incomplete. MS.

Survey of the CABOOL RIVER from its mouth to Mutchne, by Mr. Noel, Assistant to Mr. Leech. Aug. 1837. 15 pages, 4to., sewed. MS.

### *General Maps, &c.*

A Map of the KINGDOM of CAUBUL and some of the NEIGHBOURING COUNTRIES, altered from a Map constructed in the year 1809, by Lieut. John Macartney, 5th Regt. Bengal Native Cavalry. A new edition redrawn and engraved with considerable improvements. London, 1838. *Scale, 40 miles to 1 inch; size, 26 inches by 31.*

**GEOGRAPHICAL MEMOIR** to accompany papers respecting Afghanistan and Persia. Printed [in Lithographic writing] by Order of the House of Commons. 1839. Fcap. folio, stiff cover.

**Skeleton Map of AFGHANISTAN** and the Countries on the NORTH-WEST FRONTIER of INDIA, showing the principal routes and passes. By John Walker, Geographer to the East India Company. 1840. *Scale, 32 miles to 1 inch; size, 32 inches by 27.*

**Map of AFGHANISTAN** compiled in the office of the Surveyor General of India. Calcutta, 1840. *Scale, 8 miles to 1 inch.* With a list of documentary authorities, and a table of positions, a vocabulary, and notes. *On 15 sheets; size of each, 31 inches by 20.* With numerous descriptive notes, many of which are signed E. P. (Eldred Pottinger); also a list of the documents used in its construction; a table of astronomical positions; and a vocabulary of Turkish and Persian words.

Also a MS. copy of the original drawing in four parts.

### *Surveys and Maps by the Army of the Indus.*

**Map of the ROUTE of the ARMY of the INDUS :—**

From Ferozepoor to Sukkur	-	-	} By Lieuts. Anderson and Durand, Bengal Engrs.
„ Sukkur to Candahar	-	-	
„ Candahar to Caubul	-	-	
„ Caubul to Ferozepoor and Kurnaul	-	-	
„ Candahar to Girishk	-	-	
„ Caubul to Bameean	-	-	By Lieut. Sturt, Beng. Eng.
„ Ghuzni to Dera Ishmael Khan	-	-	By Lieut. Broadfoot, Beng. Eng.
„ Quettah to Kelat and Gundava	-	-	By Capt. Peat, Bombay Eng.

*Scale, 10 miles to 1 inch; on 2 large sheets; size, 60 inches by 52.* No date. (1841.) MS.

**The ORIGINAL DRAWINGS of ROUTE SURVEYS** by Lieuts. Anderson and Durand, with the Army of the Indus. No dates. (1841.) *Scale, 2 miles to 1 inch.* On sheets of letter paper :—

Sukkur towards Shikarpoor. 2 sheets.

Shikarpoor to Quetta. Sheets 1, 2, 4, 5 6, 7, 9, 9a, 11.

Quetta to Candahar. 12 sheets.

Candahar to Ghuznee. 4 sheets.

Lake Abistaduh to Hydurzye. 1 sheet.

Route on Sogurh and Zoormal, south of Caubul. 1 sheet.

RECORD BOOK of OBSERVATIONS (in Afghanistan and on the Western Frontier of India). Kurnal, Nov. 3rd 1838 ; Candahar, Gliznee, Cabul, August 1839 ; Peshawur, Nov. 1839 ; Lahore, Dec. 1839.—BAROMETRICAL OBSERVATIONS by W. Griffith, Candahar, Gliznee, Cabul, &c. 1839.—TABLE of LATITUDE and LONGITUDE of PLACES on the route ; being elements for the map of the route of the army of the Indus.—MEMORANDUM on CONSTRUCTION of the MAP of the ROUTE of the ARMY of the INDUS. By T. M. Durand, Engineers. 1841. No title. In one vol. fcap. bound with clasps. MS.

Map of AFGHANISTAN, compiled from all available sources in the Quartermaster General's Office, Simla, 1871. (By L. A. Smith, Head Draftsman.) Published at the Surveyor-General's Office, Calcutta, 1872. *Scale, 16 miles to 1 inch ; on 2 sheets ; size, 36 inches by 56.*

Map to illustrate a Memorandum on AFGHAN-TURKISTAN, by J. Talboys Wheeler, Assist. Sec., Foreign Dept., Government of India. 1869. *Scale, 16 miles to 1 inch ; on 4 sheets ; size, 34 inches by 52.*

*MS. Maps of Military Surveys in Sinde, Beluchistan, and Afghanistan made by the Quartermaster-General's Department of the Bombay Division of the Army of the Indus under Lieut-Col. Neil Campbell, 1838-'39-'40.*

## 1.

SURVEY of SINDE, part of BELOOCHISTAN and AFGHAN-ISTAN principally by the Qr. Mr. General's Department, and showing the routes marched by the Bombay Division of the Army of the Indus, from the mouth of the Indus to and from Kabool in the years 1838, '39, and '40. *Scale, 16 miles to 1 inch ; size, 55 inches by 26.*

\* \* With a list of altitudes. MS.

## 2.

Map of CUTCHEE with parts of Beloochistan and UPPER SCINDE including the Bolan and Moora or Gundava Passes. 1845. *Scale, 8 miles to 1 inch ; size, 27 inches by 28.* MS.

\* \* With a list of authorities.

## 3.

Survey of the COUNTRY between QUETTA and KELAT including the Bolan and Gundava Passes. 1840. *Scale, 4 miles to 1 inch ; size, 45 inches by 30.* MS.

\* \* With a list of heights.

## 4.

A SURVEY of the two DIRECT ROUTES through the JHALLAWAN STATES of BELOOCHISTAN leading from Kelat to Sonmeeanee. Surveyed by Major La Messurier and Lieut. Robertson. *Scale, 4 miles to 1 inch ; size, 70 inches by 21.* MS.

\* \* With a vertical section of the country between Kelat and Sonmeeanee viâ Soorab, Bagwana, Wudd, Buran, Lukh, and Beila ; a list of the Jhallawan tribes ; and notes.

## 5.

SURVEY of part of BELOOCHISTAN including Cutchee and part of Upper Seind. Compiled from the late surveys of the Qr. Mr. General's department and those of the superintendent of the Seinde Survey. 1842. *Scale, 4 miles to 1 inch ; size, 50 inches by 39.* MS.

6.

RECONNOITRING SURVEY of the BOLAN PASS. By Lieut. H. M. Durand. 1840. *Scale, 2 miles to 1 inch ; size, 39 inches by 17.* MS.

7.

SURVEY of the COUNTRY between GHUZNEE and QUETTAH showing the routes marched by the Bombay Troops. 1840. *Scale, 4 miles to 1 inch ; size, 58 inches by 23.* MS.

8.

ROUTE from DADUR to KHUNDAR (Kandahar) Surveyed by the Qr. Mr. General's department, 11th June 1839. *Scale, 4 miles to 1 inch ; size, 39 inches by 28.* MS.

9.

SURVEY of the COUNTRY between KUND'HAR (Kandahar) and Kabul, including a route to Girishk, taken during the march of the Army of the Indus by the Qr. Mr. General's Department, Bombay Establishment. *Scale, 4 miles to 1 inch on three sheets.* MS.

Also a copy on tracing cloth.

10.

Rough PLAN of the FORT of KILAT-I-GHILZIE with an elevation of the South Front. *Scale, 45 yards to 1 inch ; size, 11 inches by 10.* MS.

11.

ROUTE from KHUNDHAR (Kandahar) to HEERAT; with a Sketch of the country round Girishk. Surveyed by C. North, Lieut. Bombay Engrs. *Scale, 4 miles to 1 inch ; on two sheets.* MSS.

12.

SURVEY of part of AFGHANISTAN to accompany a journal from Yezd to Herat, also showing, the route from Kandhar to Cabool marched by the Army of the Indus. 1839. *Scale, 16 miles to 1 inch ; size, 25 inches by 79.* MS.

13.

Survey around KABOOL including the Koh-i-Damaun and part of the Loghur districts. *Scale, 1 mile to 1 inch ; size, 40 inches by 27.* MS.

14.

Survey through SCINDE, BELOOCHISTAN, KHORASSAN to KUNDHAR, being the route of the Bombay division of the Army of the Indus under the personal command of Lieut. General Sir John Keane, K.C.B., G.C.H. By the Qr. Mr. General's department. *Scale, 10 miles to 1 inch ; size, 63 inches by 17.* MS.

MILITARY SURVEYS and COMPILATIONS by Lieut. Wm. Fraser Tytler, Deputy Assistant Quartermaster-General of the Army of Bengal, 1838-40.

1. Map of the Western States of India and of Afghanistan including parts of Beloochistan and Turkistan containing the latest surveys made before the evacuation of the British troops of Candahar and Cabool. By Lieut. Wm. Fraser Tytler, Deputy Assistant Quartermaster-General of the Army. *Scale, 16 miles to 1 inch ; size, 5 feet by 6.* Mounted on roller. With a Memoir, &c. Fcap. 14 pages. Original MS.

2. Map of the Country North and West of Candahar. *On 12 sheets ; scale, 8 miles to 1 inch ; with a general map of the same on 1 sheet, reduced to 16 miles to 1 inch.* By Lieut. Wm. Fraser Tytler, Deputy Assistant Quartermaster-General. 1838-40. *Size of each sheet, 23 inches by 16.* MSS.
3. The Bolan Pass. By Lieut. Wm. Fraser Tytler. 1838-40. *Size, 16 inches by 22.* MS.
4. A Plan of Kulat-i-Nusseer Khan (Kelat) taken Nov. 1840 with sections. By Lieut. Wm. Fraser Tytler, Deputy Assistant Quartermaster-General. *Scale, 250 feet to 1 inch ; size, 13 inches by 16.* MS.
5. A plan of the City of Kandahar. By Lieut. Wm. Fraser Tytler, Deputy Assistant Quartermaster-General. 1838-40. *Size, 16 inches by 22.* MS.
6. A plan of the Town of Ghuznee. By Lieut. Wm. Fraser Tytler, Deputy Assistant Quartermaster-General. 1838-40. *Scale, 60 yards to 1 inch ; size, 16 inches by 22.* MS.
7. A map of the country around Herat. By Lieut. Wm. Fraser Tytler. 1838-40. *Size, 16 inches by 22.* MS.
8. Kurrachee to Kulat from the surveys of two Bombay officers. By Lieut. Wm. Fraser Tytler, Deputy Assistant Quartermaster-General. 1838-40. *Scale, 16 miles to 1 inch ; size, 30 inches by 17.* MS.
9. Killat to Candahar and Killat-i-Ghilzie. By Lieut. Wm. Fraser Tytler, Deputy Assistant Quartermaster-General. 1838-40. *Size, 30 inches by 21.* MS.
10. Killat-i-Ghilzie to Logur and Caubool River. By Lieut. Wm. Fraser Tytler. 1838-40. *Size, 30 inches by 21.* MS.
11. Hyderzaee (near Quetta) to Ghuznee. By Lieut. Wm. Fraser Tytler. 1838-40. *Size, 30 inches by 21.* MS.
12. Routes from Kulat-i-Ghilzaee northward to the Argundab River, along the Turnak River, and to Abistadeh Lake. *Size, 21 inches by 30.* MS.
13. Memoir of a map of North Western India (including Afghanistan, &c.) compiled and drawn by Lieut. Wm. Fraser Tytler, Deputy Assistant Quartermaster-General of the Army of Bengal. With correspondence. Feap. MS. With a rough Memorandum on Passes between the rivers Gurnuk and Argundab, near Candahar. 4to. MS.

Route of the BRITISH MISSION proceeding from KANDAHAR to HERAT in June and July, A.D. 1839. Surveyed by Capt. Edward Sanders, Bengal Engineers, and Lieut. North, Bombay Engineers. *Scale, 12 miles to 1 inch.*

Map of the COUNTRY to the Northward of KANDAHAR. Surveyed by Major Sanders and Lieut. North, of Engineers, when serving under the orders of Major-General Nott in 1841 and 1842. *Scale, 4 miles to 1 inch ; size, 30 inches by 22.* MS.

\* \* With a list of positions observed for latitude.

Journey in the VALLEY of the ARGANDAB. By General E. P. Lynch, K.L.S., in Sept. 1841. Feap., 17 pages. MS.

A Map of AFGHANISTAN, CAUBUL, the PUNJAB, RAJPOOTANA, and the RIVER INDUS. By James Wyld. London, 1842. *Scale, 45 miles to 1 inch ; size, 24 inches by 32.*

Tracing of a MS. SKETCH in the COLLECTION of the ROYAL GEOGRAPHICAL SOCIETY, of a part of Afghanistan, North of Candahar. By Capt. Sanders, B.E.? 1844? *Size, 10 inches by 13.*

МАРШРЪМЯ \* \* \* Route Map from Herat to Obé and back through Kurukh to Herat. Surveyed in 1858. *Scale, 2 Russian versts to 1 inch ; size, 36 inches by 54.*

\* \* A tracing from a Russian Manuscript Map lent to Mr. Markham by Mr. de Khanikoff in 1871 ; with a list of the Russian names transliterated by Mr. Michell.

Map illustrating the Havildar's Route through AFGHANISTAN, KOLAB, and DARWAZ; and the Mullah's Route from JALALABAD to SARHAD-I-WAH'TAN. 1873-74. *Scale, 16 miles to 1 inch; size, 27 by 40.*

### Seistan.

A MS. Map on tracing paper of the ROUTE from TEHERAN through MESHED to HERAT, and from HERAT to MEIMANA, ANDE-KHOYE, BALKH, KHOULM, KORRAM, SERPEUL, thence Southward to ZERNI, and thence North-westward back to HERAT; also routes from Herat to Ferrah, Lake Seistan, Gurrisk, and Kandahar. *Scale, 40 miles to 1 inch; size, 15 inches by 31.*

Map of SISTAN, to accompany Memorandum, dated May 22nd, 1872, by Major-General Sir Frederick Goldsmid, K.C.S.I. and C.B. *Scale, 4 miles to 1 inch; size, 32 inches by 32.*

Also an enlargement of part of the preceding Map, including LAKE SEISTAN, FERRAH, and CANDAHAR, with the following note:—"Le décalque de la carte n'étant pas très clair pour les environs de l'Hermend, j'y ai joint ce supplément qu'on pourra consulter pour les noms seulement; car, pour le reste, il y a des inexactitudes." J. P. Ferr. (General Ferrier). *Scale, about 25 miles to 1 inch; size, 8 inches by 15.*

A copy of a Map of SEISTAN, compiled in the Quartermaster-General's Office (Simla) from various sources, and supplied to F. R. Pollock, Lieut. Col., Commissioner at Peshawur. *Scale, 8 miles to 1 inch; size, 46 inches by 39.*

\* \* See a Description of Seisthan, by Lieut. R. Leech, page 475.

Also a photographed reduction of the same to about one-fourth of the size.

Sketch of a ROUTE through SEISTAN, KHORASAN (Herat), and a part of PERSIA. Performed under the orders of Brigadier-General Malcolm by Lieut. Christie of the Bombay Military Establishment. A.D. 1810. *Scale, 20 miles to 1 inch; size, 23 inches by 39 MS.*

Sketch Map of the SISTAN BOUNDARY. 1872. By Major Beresford Lovett, R.E. *Scale, 16 miles to 1 inch; size, 28 inches by 20.*

### BALUCHISTAN.

Under H. H. the Khan of Kelat, with the Governor-General's Political Agent.

Sketch of a ROUTE through BALOOCHISTAN and a part of MEKRAN and PERSIA, performed under the orders of Brigadier-General Malcolm by Lieut. Henry Pottinger, of the Bombay Military Establishment. A.D. 1810. *Scale, 15 miles to 1 inch; size, 26 inches by 51. MS.*

\* \* The explorer's route is traced in this original drawing from Sonmeeanee, through Kelat to Shiraz.

The WESTERN PARTS of MAKHRAN. By Capt. Grant. 1811. *Scale, 15 miles to 1 inch; size, 18 inches by 29. MS.*

\* \* The route explored by Capt. Grant is defined by a red line.

A Map of BELOOCHISTAN, drawn on tracing cloth and coloured in political divisions, with the forts distinguished, and also the positions held by the Khan of Khelat and the Persian troops in 1856. No title or date. *Scale, 1 degree to 1 inch; size, 8 inches by 10. MS.*

A tracing of a Map of the COUNTRY including KURACHEE and KELAT. *Size, 10 inches by 7.*

**A COMPILATION** from the under-mentioned MAPS, &c. Survey of Passes on the Jhalawan Frontier, by Capt. Le Mesurier; Map of Cutch, by General Jacob and Quartermaster-General's Department; District of Deyra Gzee Khan, by Capt. Johnstone, 1855, '56, '57; Revenue Survey Map, by Capt. Macdonald; Surveys by Major M. Green. Signed Malcolm Green, Major, Jacobabad, June 3, 1863. *Scale, 8 miles to 1 inch; size, 24 inches by 32.*

**Bokhara, Kabool, BELOOCHISTAN, &c.** Society for the Diffusion of Useful Knowledge. *Scale, 1 degree to 1 inch; size, 17 inches by 14.* Two editions.

**Plan of the VALLEY of KHELAT and of the Route of a** squadron 2nd Sind Horse from Khelat to Kirta in the Bolan Pass, viâ Moostung and the Rodbar Pass. Surveyed by Malcolm Green, Major Commanding 2nd Royal Sind Horse. Reduced in the Q.M.G. office from the original plan. Poona, Feb. 1861. *Scale, 4 miles to 1 inch; size, 27 inches by 20.* MS., on tracing cloth.

**Rough MILITARY SURVEY of the COUNTRY** bordering on TWO ROUTES from KHELAT to GWUJUCK in Beloochistan, the one direct viâ Shorab, Koduk, &c. and the other by a detour to the eastward through Kozdar, Nal, &c. Surveyed by Major Malcolm Green, 16th Regt. Bomb. N.I. Reduced and lithographed in Q.M.G. office, Poona, 1861. *Scale, 4 miles to 1 inch; size, 45 inches by 22.* With Itineraries of the Routes from Khelat to Zedee, Kozdar to Gwujuk, and Gujjur to Khelat. Folded in a cover; *size, 12 inches by 9.*

\* \* The Valley of Gressia in the map is identified by the author with the ancient Gedrosia. See also, extensive ruins near Gwujuck.

**A LIST of POSITIONS on the BELOOCH-AFGHAN FRONTIER** observed by Colonel Malcolm Green. On 2 sheets, fep. MS.

**MILITARY RECONNOISSANCE Map of the SHUM, BOHR, PEYLAWUR, CHUT, and SLAH-TUNK PLAINS,** and country West of the RAJUNPORE FRONTIER, surveyed and drawn by Major W. H. Paget, Commandant 5th Punjab Cavalry. Rajunpore, June 1, 1868. A reduced photograph of the original, presented by Colonel Sir Henry Green. *Size, 9 inches by 6.*

**The BOOGTEE HILLS,** routes from KHANGHUR (Jacobabad). By Lieut. Fraser Tytler. 1840. *Size, 8 inches by 13.* MS.

**TOPOGRAPHICAL and GEOLOGICAL SKETCHES** of the Province of SARAWAN, or the northern portion of the table-land of Beloochistan; the Province of Jhalawan; and the Eastern Division of Mekran. By Assistant Surgeon H. Cook, M.D., Khelat Agency. 1860. 8vo., cloth.

**MEKRAN COAST, KURRACHEE to GUADUR,** with Lieut. Ross's Route from Guadur to Kurrahee. *Scale, 13½ miles to 1 inch; size, 14 inches by 21.*

\* \* With a report on a visit to Kej, &c., 1865.

**MEKRAN COAST, SUNMIANI to JASK;** with Major Ross's route from Bela through Kolwah and the Kej Valley. Also the territory under Muscat, Belooch chiefs' tributary to Persia, &c. The original drawing by Major E. C. Ross. *Scale, 20 miles to 1 inch; size, 15 inches by 29.* MS.

**Map of the COAST from KURRACHEE to GUADUR** showing the route traversed by Major Goldsmid and party. *Scale, 10 miles to 1 inch; size, 20 inches by 34.* MS. on tracing cloth.

**Sketch of the COAST between KURRACHEE and BUNDER ABBAS,** showing the site proposed by Major Goldsmid for the intended line of telegraph and stations; and the Extent of Territory ruled by each Chieftain. *Scale, 16 miles to 1 inch; size, 23 inches by 36.* MS. on tracing cloth.

**A part of BELOOCHISTAN with part of MEKRAN and the PERSO-BELOOCH BOUNDARY** drawn and compiled by Capt. Beresford Lovett,

R.E. attached to the special mission to Mekran under Major General F. J. Goldsmid, C.B. From actual surveys by Major E. C. Ross, Assistant Political Agent, Gwadar; Capt. Beresford Lovett, R.E., and Quartermaster Serjeant D. Bower, R.E. *Scale, 8 miles to 1 inch; size, 26 inches by 30.*

\* \* Lithographed from tracings entitled "Beluehistan, comprising Mekran and the Perso-Belueh Boundary."

Survey of the BOLAN PASS, with a Sketch of the Pass near Knftaree. By the Quartermaster-General's Department. 17th April 1839. *Scale, 2 miles to 1 inch; size, 20 inches by 22. MS.*

Survey of the Country above the Passes from QUETTA to KELAT, with the route to Noshky, from the surveys of Major Le Mesurier and Capt. Boyd, Acting Asst. Q. M. Gen., S.E. 1842. *Scale, 4 miles to 1 inch; size, 24 inches by 31. On tracing cloth. MS.*

A Survey of the Entrances of the Passes on the JALAWAN FRONTIER, from Jhull to the Bolan Pass; also a survey of Eastern and Western CUTCHEE. From the surveys of Capt. Le Mesurier, Lieut. Jacob, and J. G. Fernandez, Surveyor; superintended by Major Holland, Deputy Q.M.G. of the Army, and Capt. Boyd, Acting Asst. Q.M.G., S.F., 1842. *Scale, 4 miles to 1 inch; size, 30 inches by 48. Copied on tracing cloth at the Q.M.G. Office, Puna, 1875. MS.*

Map of the TERRITORIES of the Hill Tribes on the RAJUN-PORE FRONTIER. Compiled by Messrs. R. Bruce, Asst. Commissioner, and E. James, Asst. Engineer, D.P.W. 1869. S.G.O., Calcutta, 1870. *Scale, 6 miles to 1 inch; size, 36 inches by 25.*

Reconnaissance Sketch of the MOOLLA PASS. 1872. By Lieut. Maitland, 2nd Sind Horse. Copied at the Q.M.G. Office, Poona, June, 1876. *Scale, 1 mile to 1 inch. On three narrow lengths of tracing cloth. MS.*

Sketch of portion of the MARI and BUGTI TERRITORIES, by J. Davidson, Capt., 3rd Punjaub Cavalry. Copied in the Q.M.G. Office, Simla, April 1876. *Scale, 4 miles to 1 inch; size, 25 inches by 39. On tracing cloth. MS.*

Survey of route taken by Major Sandeman's Mission into BILUCHISTAN. 1875-76. By Capt. H. Wylie, 1st Punjab Cavalry. *Scale, 4 miles to 1 inch; size, 24 inches by 58. Photo. of MS.*

\* \* From the Rajanpur District, through the Bugti and Mari country to Quetta and Kelat.

Map of WESTERN BELUCHISTAN. Compiled by order of H.M. Secretary of State for India, to show the Western Frontier of the territories of the Khan of Kalat, as determined by the Frontier Commission under Major-General Sir Frederic J. Goldsmid, C.B., K.C.S.I. By Major O. B. C. St. John, R.E. 1874. *Scale, 8 miles to 1 inch; on 4 sheets; size of each, 22 inches by 30.*

Unfinished Skeleton Map of the TERRITORIES of His Highness the Khan of KELAT or BALUCHISTAN, with the adjacent portions of Sindh, the Punjab, Afghanistan, and Persia. 1876. Compiled in the Office of the Surveyor-General of India, Calcutta, May 1876. *Scale, 16 miles to 1 inch; on 2 sheets; size, 34 inches by 44.*

## VII. PERSIA.

A new Map of the EMPIRE of PERSIA from Mons. D'Anville, First Geographer to the most Christian King, with several additions and emendations. London, Laurie and Whittle, 1794.

INDIÆ VETERIS QUATENUS MACEDONIBUS nota fuit finitimarumque regionum specimen geographicum situm ac nomina locorum recentioris ævi sub oculos subieciens neenon Alexandri itinera intra Euphratem et

Hyphasin navigationem. Nearchi ab Indo flumine ostium usque Pasitigris. Auctor L. S. de la Rochette, 1793. Londini, 1797. *Scale, 130 miles to 1 inch; size, 12 inches by 17.*

A Map of PERSIA showing the tract visited by Colonel Malcolm during his mission in the year 1800 and 1801. Compiled from D'Anville's and other authorities. \* \* \* The red marks show the geographical positions of the adjoining places, such as deduced from the astronomical observations taken by William Webbe and Silvester Pope who attended the Embassy. *Scale, 35 miles to 1 inch; size, 27 inches by 22.* Two MSS.

Map of PERSIA and countries lying between the Araxes, Tigris, and Indus extending from latitude  $23^{\circ}$  to  $40^{\circ}$  north, and longitude  $44^{\circ}$  to  $70^{\circ}$  east. Constructed from the surveys which were taken, and the information collected during the mission of Bragadier-General Malcolm to Persia in the year 1810. By William Webbe, Assistant Surveyor. Signed, John Malcolm. *Scale, 23 miles to 1 inch; size, 58 inches by 76.* Original MS.

Map of the COUNTRIES lying between the EUPHRATES and INDUS on the East and West, and the OXUS and TEREK and INDIAN OCEAN on the North and South. . . . By John Maedonald Kinneir. London, 1832. *Scale, 40 miles to 1 inch; size, 40 inches by 52.*

Another edition, lithographed at the Surveyor-General's Office, Calcutta, 1856. Persia, Cabul, &c. By J. Arrowsmith. London, 1832. *Scale, 70 miles to 1 inch; size, 22 inches by 26.*

DAS HOCHLAND von IRAN enthaltend die Staaten von Persien, Afghanistan, and Beludschistan, ent. u. gez. von C. F. Weiland. Weimar, 1846. *Scale, 75 miles to 1 inch; size, 21 inches by 27.*

TABLE of LATITUDES, LONGITUDES, and ALTITUDES in PERSIA and BELUCHISTAN. Compiled and corrected by Capt. O. St. John, R.E. 1875. 8vo., 10 pages, paper cover.

PERSIA, compiled principally from original authorities. By Captain (Local Major) O. B. C. St. John (Royal Engineers). By order of H.M. Secretary of State for India. 1876. *Scale, 16 miles to 1 inch; on 6 sheets; size of each, 40 inches by 27.*

#### *North-Western Persia.*

Map of AZERBAEIJAN and part of ARMENIA and GEORGIA, with the route of His Majesty's mission under Sir Harford Jones Brydges, Bart., Envoy Extraordinary, Minister Plenipotentiary to the Court of Persia in the years 1808-9, from Abooshehr to the North of Persia. Constructed chiefly from personal survey. The adjacent countries compiled from his own notes and the observations of the most recent travellers, &c., &c. By James Sutherland, Colonel, attached to the mission. *Scale, 10 miles to 1 inch; size, 52 inches by 32.*

Parts of GEORGIA and ARMENIA, the Persian provinces Azerbaijan, Talish, and Ghilan, from trigonometrical surveys by Lieut.-Col. W. Monteith, K.L.S., Madras Engineers, made between the years 1814 and 1828, and the Russian Provinces with the Caucasus from Russian official documents corrected by his personal observations. Engraved at the expense of the Royal Geographical Society. London, 1833. *Scale, 15 miles to 1 inch; size, 41 inches by 43.*

NOTES on the preceding MAP, viz. :—

1. Letter from W. Monteith, Lieut.-Colonel, to P. Auber, Esq. (Secretary, India House), forwarding a map of the country between Sultanieh and the Caucasus.
2. Notes on the construction of Colonel Monteith's map of Azerbaijan, with table of latitudes and longitudes, and observations.



3. Letter from Colonel Monteith, forwarding a plan of the frontier between Persia and Russia, as defined in 1829, and description of the frontier. In one vol., fcap., bound and lettered on the back, "Notes on a Map of Persia."

• Map of ADERBEIJAN, compiled principally from personal observations and surveys made in the years 1851–55 by N. Khanikof, and based upon all the points hitherto determined, principally the astronomical observations of Mr. Lemm and the Caucasian Triangulation. Drawn and engraved under the general direction of H. Kiepert, Berlin, 1862. *Scale, 12 miles to 1 inch ; size, 22 inches by 24.*

TURCO-PERSIAN FRONTIER. *See page 489.*

### *North-Eastern Persia.*

A Map of the NORTH-EASTERN FRONTIERS of PERSIA, embracing also KHIVA and the intervening DESERTS. Compiled from the Surveys and Observations of Colonel Valentine Baker and Lieut. W. J. Gill, R.E., together with the recent Russian Surveys, and all other available documents. 1875. *Scale, 30 miles to 1 inch ; size, 27 inches by 27.*

A map of the NORTHERN FRONTIER of KHORASSAN, with parts of IRAK and MAZANDERAN, to illustrate reports by Captain the Hon. G. Napier, on special duty in Persia. Prepared by order of H.M. Secretary of State for India. 1876. *Scale, 16 miles to 1 inch ; size, 40 inches by 27.*

<sup>1</sup>/<sub>4</sub> \* *See also Royal Geographical Society's Journal, Vol. XLVI.*

### *South-Western Persia.*

Map of KHUZISTAN, compiled and lithographed under the direction of Major C. W. Wilson, R.E., F.R.S. War Office, 1875. *Scale, 4 miles to 1 inch ; size, 24 inches by 32.*

### *Bushire (Abu Shahr).*

The seat of the British Political Resident for the Persian Gulf.

Rough SKETCH of BUSHIRE and its VICINITY. *Size, 18 inches by 15.*

Plan of BUSHIRE in 1853 with the Forts, and showing approximately the works since added. Made by Mids. A. W. Stiffe in 1853 under the orders of Lieut. Constable, I. N. *Size, 15 inches by 10.*

Rough SKETCH of the PENINSULA on which BUSHIRE is situated, showing the landing place and different positions of the force from the 7th to the 10th Dec. 1856, when the place surrendered. *Scale, 1½ miles to 1 inch ; size, 16 inches by 17.*

SKETCH of the ATTACK on BUSHIRE, Dec. 10, 1856. *Scale, 1,000 yards to 1 inch ; size, 14 inches by 12.*

A SKETCH of BUSHIRE and its VICINITY. 1819. No title. *Scale, 6 miles to 1 inch ; size, 17 inches by 11. MS.*

Persian Plan of the Town and Fortifications of BUSHIRE, previous to the bombardment by the British in 1856. Signed, Felix Jones, British Political Resident in the Gulf of Persia, and Political Agent to the Persian Expeditionary Forces, 1856. *Size, 19 inches by 23. MS.*

ABU-SHAHR (Bushire) PENINSULA. By Lieut. A. W. Stiffe, H.M.I.N. *Scale, 4,000 feet to 1 inch ; size, 40 inches by 27. MS.*

The same, engraved, 1875.

NOTE.—This map is from a plane-table survey, based on a careful triangulation ; the part north of the town, creeks, &c. are taken from the chart of the harbour by Commissioner Constable and Lieut. Stiffe. It is intended as an illustration of the Campaign of 1856–7 in the Peninsula.

*Routes in Persia.*

Sketch of **LIEUT. SNODGRASS'S ROUTE** from **BUSHIRE** to **SHIRAZ** via **FERUZABAD**. A.D. 1810. *Scale, 20 miles to 1 inch; size, 12 inches by 16.* MS.

**Route of LIEUT. McDONALD**, 12th N. I., and **ENSIGN MONTEITH**, Engineers. Performed by order of Brigadier-General Malcolm, Ambassador to the Court of Persia. (Between Bussora and Bushire, Shiraz and Dizful.) 1811. *Scale, 8 miles to 1 inch; size, 20 inches by 28.* Two MSS.

**Route from ISFAHAN by KERMANSHAH to MURAGA**, and return by **HAMADAN**. Performed under orders of Brigadier-General Malcolm by Lieut. E. Frederick, of the Bombay Military Establishment. A.D. 1810. *Scale, 20 miles to 1 inch; size, 22 inches by 18.* MS.

**Itinerary from YEZD to HERAT and CABUL**. Journal. 1826. Fcap., 74 pages. MS.

**Map of a ROUTE from BUSHIRE to BAGHDAD**. Dedicated to Captain Sir Charles Malcolm, R.N., by W. H. Wyburd, I.N. 1833. *Size, 30 inches by 53.* MS.

**Sketch of a ROUTE between AHGAR and KAZVEEN** via **Mishkeen**, **Ardabeel**, **Talish**, and **Gheelan**. By **Elliott D'Arcy Todd**, Lieut., Bengal Artillery, serving in Persia. January and February 1837. *Scale, 6 miles to 1 inch; size, 21 inches by 39.*

**Sketch of part of MAZANDERAN and of part of the UPPER ROAD** between **TEHRAN** and **ASTRABAD**, by **E. D'Arcy Todd**, Major, serving in Persia. 1837. *Scale, 6 miles to 1 inch; size, 19 inches by 30.*

**Route of MARCH from BAGHDAD to TEHRAN** during **June** and **July 1857**. Route of march from **Tehran** to **Bushire** via **Ispahan**, **Shiraz**, and the **Huft Moola Pass**, in **April** and **May 1858**. With notes, maps, and illustrations. By **Lieut.-Colonel R. L. Taylor**, late Commissioner of **Herat**. Fcap., unbound. MS.

**Route of the SPECIAL MISSION to SEISTAN and MEKRAN**. By **Quartermaster-Serjeant David Bower**, Royal Engineers. *Scale, 8 miles to 1 inch; size, 26 inches by 88.* Original MS.

Also a reduced photograph of the same. *Size, 27 inches by 40.*

**Route Map of the SPECIAL MISSION to SEISTAN and MEKRAN** from **Ispahan** to **Gwadur** by **Quartermaster-Serjeant David Bower**, Royal Engineers. To accompany the **Journal** of **Capt. C. Bean Euan Smith**, Personal Assistant to **Major-General J. T. Goldsmid**, C.B. 1870-71. *Scale, 22 miles to 1 inch; size, 9 inches by 38.*

\* \* Lithographed from the foregoing map.

*Hormúz.*

**Map showing the position of HORMÚZ ISLAND**, with reference to the **Persian Coast**, and the other **Old European Settlements** in the vicinity. From actual survey by **A. W. Stiffe**, late Lieut., I.N. With a fac-simile of the mediæval map of **Hormúz** in **Astley's Collection**; also an enlarged map and a view of **Hormúz**, &c. *Size, 17 inches by 22.*

*Karak or Kharg.*

**A series of SIX DRAWINGS**, by **C. Walker**, Lieut. Field Engineers, dated **Camp, Kharg, 22nd July 1839**, viz.:—

1. Sketch of the plain at the eastern extremity of the Island of **Kharg**.
2. Plan of the Island of **Kharg**, showing the position of proposed works.
3. Plan of the small fort at **Kharg**.

4. Plan of the large and small forts at Kharg. With sections and details.
5. The same reconstructed.
6. Details of proposed works.

### *Persian and Persian Gulf Telegraphs.*

Map of the ROAD from TEHERAN to BUSHIRE, showing the direction and construction of the Anglo-Persian Telegraph from original survey by Captain O. St. John, R.E., based on astronomical observations, by Captains St. John and Pierson, R.E. *Scale, 8 miles to 1 inch ; on 3 sheets ; size, 66 inches by 23.*

GOVERNMENT INDO-EUROPEAN TELEGRAPH.—Mekran Coast Submarine Section, No. 1 ; Persian Gulf Submarine Sections, Nos. 2 and 3, 1864. Signed Richard Bradshaw, Commander, R.N. *Scale, 10 miles to 1 inch ; on 3 sheets ; size of each, 26 inches by 45.*

\* \* \* See also Mekran Maps, pages 483, 600.

Tracing showing the line of SOUNDINGS obtained by H.M.S. CYCLOPS between RAS-AL-HAD and KURRACHEE. By R. H. Harris, 2nd Master, Feb. 1859. *Scale, 2 miles to 1 inch ; size, 22 inches by 55.* MS.

Sheet 1. Outline of lower part of PERSIAN GULF, with soundings taken in "Johnston Castle"; also the track of the vessel and the best line for the cable. By W. Stiffe, Lieut. I.N. *Size, 10 inches by 25.*

Sheet 2. Outline of upper part of PERSIAN GULF, showing the soundings taken in "Johnston Castle." *Size, 28 inches by 20.*

MEKRAN COAST. Views of the land by Lieut. A. W. Chitty, H.M.I.N. Lithographed for use during the submersion of the Persian Gulf Cable. *Size, 24 inches by 20.*

Outline Chart of a PORTION of the MEKRAN COAST, from Ras Gwadel to Ras Jask ; showing only such soundings as were taken on board H.M.S. "Victoria," I.N., to ascertain the best course upon which to lay down a submarine telegraph wire. By Lieut. A. W. Chitty, I.N. January 1863.

Chart of the COAST of PERSIA from KOOE MUBARRACK to KROTCHHEY. Surveyed by Commander Brucks and Lieut. S.B. Haines, H.C. Marine, 1829. Reduced, on tracing cloth, from the printed Chart (*see* No. 45, page 591) in the Q. M. G. Office, Poona, 1861, and showing the track of the Telegraph Line from Krotehey (Karachi) to Gwadel. With a note on the political occupation of the territory. *Size, 11 inches by 21.* MS.

### *Persian Gulf.*

A revised Map of 'OMÂN and the PERSIAN GULF, in which an attempt has been made to give a correct transliteration of the Arabic names. By the Rev. George Perey Badger, F.R.G.S. With a plan of Máskat and el Mátrah, and a view of the town of Máskat. *Scale of the map, 40 miles to 1 inch ; size, 22 inches by 30.*

LIGHTS and RECORD BOOK of the Survey of the PERSIAN GULF from February to April 1829. By Capt. Haines, I.N. On 50 pages, fcap. MS.

MEMORANDUM on the recent Surveying Operations in the PERSIAN GULF in the E. I. C. Brig Euphrates, 1857-58, and H.M. Schooner Marie of the Indian Navy, 1858-60 ; with a brief review of the existing charts, and a table of maritime positions. By Commander C. G. Constable and Lieut. A. W. Stiffe, of H.M. Indian Navy. London, 1862. 8vo., 24 pages, sewed.

See also Charts, pages 598 to 600.

## VIII. ASIATIC TURKEY.

*General Maps.*

Nouvel Atlas physique, politique, et historique de l'EMPIRE OTTOMAN et de ses Etats Limitrophes en Europe, en Asie, et en Afrique, en quarante feuilles. Avec un beau plan topographique de la ville actuelle de Constantinople, plusieurs plans des villes les plus importantes de l'Empire, et ceux des sièges et batailles mémorables soutenus par les Ottomans. Dressés sur les documents les plus récents et les plus authentiques, pour servir à l'intelligence de l'histoire de l'Empire Ottoman, de ses démembrements successifs, et des événements politiques accomplis en Orient. Par J. J. Hellert. Paris, 1843. Unbound in a portfolio; *size, 22 inches by 15.*

Map of the COUNTRIES between the MEDITERRANEAN SEA and the PERSIAN GULF on the line of the Euphrates, Tigris, and Kuran. Compiled and drawn by Lieut. Felix Jones, Assistant Surveyor, from the original Surveys made by the late Expedition under Commander H. Blosse Lynch, assisted by Lieutenants Chas. D. Campbell, M. W. Lynch, Felix Jones, William B. Selby, and Henry Grounds, of the Indian Navy. (With a note on the compilation of the map, and a view of the Tak Kesra.) Bombay, Feb. 20, 1847. *Scale,  $4\frac{2}{3}$  inches to 1 degree; size, 43 inches by 62.* Unfinished MS.

General Karte des TÜRKISCHEN REICHES in EUROPA und Asien nebst Ungarn, Sudrussland, den Kaukasischen Ländern und West Persien. Entworfen und bearbeitet von Heinrich Kiepert. Berlin, 1855. *Scale, 50 miles to 1 inch; size, 36 inches by 60.*

General Karte des OSMANISCHEN REICHES in ASIEN, neu bearbeitet von H. Kiepert. Berlin, 1869. *Scale, 45 miles to 1 inch; size, 27 inches by 37.*

TURKEY in ASIA (Asia Minor) and TRANSCAUCASIA. By Keith Johnston, F.R.S.E. *Scale, 65 miles to 1 inch; size, 20 inches by 25.*

A Map of part of ASIA to illustrate the Old Testament and Classical Authors. For Dr. William Smith's Ancient Atlas. By Trelawny Saunders. London, 1873. *Scale, 52 miles to 1 inch; size, 27 inches by 19.*

Map of MESOPOTAMIA, the Nahraina of the Ancients and Al-Jezireh of Arab MS., and of the adjacent Rock Regions culminating in the Watershed of Western Asia, between the Mediterranean, the Caspian, the Red Sea, and the Persian Gulf. Constructed by command of the Right Honourable the Secretary of State for India in Council from various sources, but based for the most part upon materials obtained at the expense of the British Government. (By Captain Felix Jones, late Indian Navy, formerly Surveyor in Mesopotamia, and Resident at Bushire. The drawing completed in November 1875.) *Scale, 4.65 inches to a degree; on 4 sheets; size of each, 28 inches by 40.* In a Portfolio. MS.

*Turco-Persian Frontier.*

Map of the COUNTRY between BAGHDAD, KIRMANSHAH and SULIMANIYEH, showing the true frontiers, and extent of the contested territory of Zohab. Drawn up from actual survey, and adjusted by numerous astronomical observations. By Major H. C. Rawlinson, C.B., Bombay Army, and Lieut. Felix Jones, Indian Navy. Bombay, 1848. MS. The same lithographed. Calcutta, 1857. *Scale, 10 miles to 1 inch; size, 21 inches by 24.*

Map of the TURCO-PERSIAN FRONTIER at the period of the ratification of the Treaty of Erzerum, showing the encroachments since made by the Turkish Government, and the localities occupied by the various tribes connected with it. By Henry A. Churchill, Secretary to the British Commission for the

delimitation of the Frontier, under the direction of Br.-General Williams, R.A. and C.B., H. B. M. Commissioner, \* \* \* London, 1855. *Scale, 20 miles to 1 inch; size, 20 inches by 30.*

Map of the TURCO-PERSIAN FRONTIER made by RUSSIAN and ENGLISH OFFICERS in the years from 1849 to 1855, on the scale of 1:73·050, and reduced to the scale of 1:253440, or 4 English miles to 1 inch, at the Ordnance Survey Office, Southampton, 1873. *On 9 sheets; size of each, 40 inches by 27.*

*Claudius James Rich, 1808–1821.*

The MS. JOURNALS, OBSERVATIONS, MAPS, and SKETCHES of Claudius James Rich, the Hon. East India Company's Resident at Bagdad from 1808 to 1821. Presented by the Executors.

Journal, 1820. 1, Excursion to S. Courdistan; 2, Journey from Bagdad to Suleimania; 3, Journey from Suleimania to Mousul, Survey of Arbil, etc.; 4, Survey of the Tigris from Mousul to Bussora. Oblong 8vo., half-bound.

\* \* See Narrative of a residence in Koordistan and on the site of ancient Nineveh; with journal of a voyage down the Tigris to Bagdad, and an account of a visit to Shiraz and Persepolis. By the late Claudius James Rich, Esq. In 2 vols. London, 1836.

Field Sketches. 1, Route from Suleimania to Ahmed Kulwan in Courdistan. 2, Route from Beestan to Penjwin, and Penjwin to Gweza Kwera, Courdistan. 3, Route from Meek into the Vale of Bana, Courdistan. 4, Continuation of the Vale of Bana to Swear-wé. 5, Route from Swear-wé to Kenaroo. 6, Route from Suleimania to Dergezzen, Courdistan. 7, Route from Derbend to Caffar, Courdistan. 8, Route from Caffar to Altoun-Kiupri. 9, Route from Altoun-Kiupri to Arbil. 10, Route from Arbil to the River Zab. 11, Route from the Zab to the Bumadus, to Kermelis, and half-way from that place to Mousul. Oblong 4to., half-bound.

Itinerary and Notes on Courdistan. Unbound MS.

Survey of the River Tigris from Mousul to Bagdad. On 24 pages finished and 5 pages projected only. In 1 vol., oblong 4to., red morocco. *See also* page 496.

Meteorological Journal, 1813, 1816–21. Quarto, half-bound.

Also a Collection of Meteorological Observations, unbound.

Travelling Journal of Astronomical Observations, 1820–21. Small 4to., red morocco.

Two rough observation books, 1821. Oblong 8vo., half-bound. Two small note books in stiff covers.

Journal of Astronomical Observations made at Bagdad. Quarto, red morocco.

Triangles for a plan of Bagdad and its environs. Octavo, half-bound.

Notes and itineraries for the memoir and map of Bagdad. Unbound.

Extract from the journal at Mousul. Folio, red morocco.

Trigonometrical Calculations connected with the Survey of Mousoul. Also, Stages from Bagdad to Suleimania; and a Journal of a journey to Suleimania and residence in Kourdistan in the year 1820 (by Mrs. Rich). Quarto, red morocco.

Rough Register of Geodetical Observations at Mousul (Nineveh). Quarto, half-bound.

Calculations of the Triangles for the Survey of Ctesiphon and Seleucia, with Journal of Proceedings. 1820. Quarto, red morocco.

Routes and Miscellaneous Observations in Asia Minor, Armenia, and Northern Courdistan. 8vo., half-bound.

L'Euphrate et le Tigre. Par le Sieur d'Anville, 1779.

Carte de l'Asie Mineure pour le voyage d'Olivier, membre de l'Institut. Par Dezauche, 1806.

An original map, extending from Mosoul to the Sources of the Khausar River. Drawn and Surveyed by Claudius Rich. No title, scale, or date. *Size, 30 inches by 29.*

Log of the "Lord Castlereagh," from Bombay to England. Foolscap, 8 pages, unbound.

Sir Robert Ker Porter's Itineraries from the Persian Frontier to Bagdad, and Bagdad to Hillah. Unbound.

Translated Extracts from the Jehan Numa and the Mesalik-i-Memalik. Foolscap, unbound.

Various Oriental Manuscripts:—

1. A list of drugs, spices, perfumes, &c. from India, Syria, and Persia.
2. A list of Mahallahs or parishes and of the mosques in each. (Bagdad?)
3. A Vocabulary in Turkish, Arabic, Persian, and dialects of Luristan and Curdistan.
4. List of the colleges in the Pashalik of Bagdad.
5. List of the Sanjaks and tribes of Courdistan, by Khaled Pasha, of Courdistan, 1817.

Also several others in the same parcel.

Italian Manuscripts:—

1. Memorie di Seyd Saaïd, Sultan di Muscat.
  2. Viaggio da Bagdad a Erivan.
  3. Diarbekr. Dimandi interno alla Citta, & per la Provincia o Territorio.
- An inscription, of the size of the original, copied from a stone lately found among the ruins of Ancient Babylon, and sent as a present to Sir Hugh Inglis, Bart., by Harford Jones, Esq., the Honourable East India Company's Resident at Bagdad. Published by the H.E.I. Company. London, 18th August 1803. Size, 30 inches by 54. Cuneiform.

\* \* There are no notes or memoranda among these remains relating to Mr. Rich's researches in Babylon and Persepolis. See Narrative of a Journey to the Site of Babylon in 1811, now first published; Memoir on the Ruins, with Engravings from the original sketches by the Author; Remarks on the Topography of Ancient Babylon, by Major Rennell, in reference to the Memoir; Second Memoir on the ruins in reference to Major Rennell's remarks; With a narrative of a journey to Persepolis, now first printed, with hitherto unpublished cuneiform inscriptions copied at Persepolis; By the late Claudius James Rich, Esq., formerly Resident of the Hon. East India Company at Bagdad. Edited by his Widow. London, 1839.

### *The Euphrates and Tigris, by Lieut. Ormsby.*

#### 1.

Sketch of the RIVER EUPHRATES from Hilla to Bussorah and part of the Shat al Hie from Jewaid and Musaisee to its junction with the Euphrates. By H. A. Ormsby, Lieut. Indian Navy. 1826 to 1830. Scale; about 2 miles to 1 inch; size,  $2\frac{1}{2}$  feet by  $8\frac{1}{4}$  feet. MS.

\* \* Memorandum.—The soundings are in fathoms, and were taken as follows: those of the Shat ul Arab in December,—the Euphrates in February,—the Shat ul Hie in December and January. Moreover to show the soundings distinctly, the breadth of the river has been extended in some places beyond the actual measurement. In some years the River Hie becomes dry during the months of September and November.

#### 2.

Sketch of the RIVER TIGRIS from Korna to Baghdad and part of the Shat ul Hie from its junction with the Tigris to Jewaid and Musaisee on the island formed by the two branches of that stream. By Henry A. Ormsby, I.N. 1826 to 1830. Scale, about 2 miles to 1 inch; size,  $2\frac{1}{2}$  feet by  $8\frac{1}{2}$  feet. MS.

\* \* Memorandum.—The soundings in the river are in fathoms:—those in the lower part of the Tigris were taken in January, the upper part in December, and the Shat ul Hie in December and January. The Meridians laid down are true, the variation being  $5^{\circ} 35'$  westerly.

*Chesney's Atlas of the Euphrates and Tigris.*

## I.

Map of the COUNTRIES situated between the RIVERS NILE and INDUS serving as an index to the work on the Expedition for the survey of the Euphrates and Tigris. Drawn from materials furnished by Lieut. Colonel Chesney, R.A., F.R.S. By J. & C. Walker, Geographers. 1850. *Scale, 105 miles to 1 inch; size, 25 inches by 30.*

## II.

A Map of ARABIA and SYRIA laid down chiefly from original surveys under the superintendence of Lieut.-Colonel Chesney, R.A., F.R.S., and drawn by W. H. Plate, LL.D. &c. 1849. *Scale, 70 miles to 1 inch; size, 28 inches by 27.*

## III.

The Rivers EUPHRATES, TIGRIS, KARUN, and SHAT EL ARAB in 12 sheets. *Scale, 4 miles to 1 inch.*

1. The River Euphrates with the Cilician Taurus and northern Syria. The coast and part of Taurus were surveyed by Lieut. Murphy, R.E., &c; the Euphrates from Bir to Beles by Lt.-Col. Esteourt, 43rd Lt. Inf., and the rest by various officers of the expedition. Part of the Taurus is from the survey by Baron Moltke. Also a section of a line of levels between the Mediterranean Sea and the River Euphrates.
2. The River Euphrates from Sumeisat to Kalat en Nejm. From Sumeisat to Birehjik was surveyed by Col. Chesney, 1832, and Lieut. Lyneh, I.N., in 1836; and from Birehjik to Kalat en Nejm by Lt.-Col. Esteourt.
3. The River Euphrates from Kalat en Nejm to Abu Saide. From Kalat Jaber to Rakkah was surveyed by Commander Lyneh, I.N., during the season of low water in 1840; and the rest by Col. Chesney and the expedition, during the season of floods in 1836.
4. The River Euphrates from Abu Saide to Werdi. From Abu Saide to Deir was surveyed by Commander Lyneh, I.N., at the season of low water 1840, and the rest by Col. Chesney and the expedition during the season of floods in 1836.
5. The River Euphrates from Werdi to Hit. Surveyed by Col. Chesney and the officers of the expedition at the season of floods in 1836. With a transverse section of the river at Werdi.
6. The River Tigris from Nineveh to Kalah Sherkat and from Kalah Sherkat to Sammara. Surveyed by the late James Claudius Rieh, Esq., the British Resident at Baghdad.
7. The River Euphrates from Hit to the Kuthah River, and the River Tigris from Sammara to the Abu Hitti Canal. From Sammara to Dokhala surveyed by the late James Claudius Rieh, Esq., the British Resident at Baghdad; and from Dokhala to the Abu Hitti Canal by Col. Chesney and the officers of the expedition. With a transverse section of the river at Hit.
8. The River Euphrates from the Kuthah River to El Wuja Island and Village, also the River Tigris from the Abu Hitti Canal to Judifah Island. Both surveyed by Col. Chesney and the officers of the expedition at the season of floods in 1836.
9. The River Euphrates from El Wuja Island to Ummu-l-Huntah, and the River Tigris from Judifah Island to Serut Castle. Surveyed by Col. Chesney, &c. at the season of floods in 1836.
10. The River Euphrates from Ummu-l-Huntah to Kurnah, with the River Tigris from Serut Castle to Kurnah, and the Shatt el Arab from Kurnah to Basrah. Surveyed by Col. Chesney, &c. during the season of floods in 1836.

11. The River Karun from Shuster to Salmanah Island, and from Shuster to Band-i-Kir. Surveyed by Lieut. Selby, I.N., and from Band-i-kir to Salmanah Island by Col. Chesney, &c., and the Dorak Canal by Lieut-Col. Esteourt.
12. The Shatt el Arab from Basrah to the Bar of the River Euphrates, and the River Karun from Salmanah Island to Mohommerah, with the Bah-a-mishir. Surveyed by Col. Chesney, &c.

## IV.

Table showing the changes which took place in the RIVER EUPHRATES between 26th July 1835 and 13th June 1836. Thermometrical observations, five times a day; rise and fall of the river in inches; daily notes on the weather.

*The Euphrates Surveys, by Commander H. B. Lynch.*

**EUPHRATES SURVEY.** Sheet 1 of the Shat el Frat or River Euphrates, trigonometrically surveyed when in its lowest state, in October and November 1841, by Commander H. B. Lynch, I. N., assisted by Lieutenants C. D. Campbell, J. F. Jones, and H. W. Grounds, Indian Navy. Also sheets 2 and 3, the whole extending between Balis and Deir. *Scale, 1 inch to 1 geographical mile = 2,025 yards; size of each sheet, 25 inches by 36.* MSS.

**EUPHRATES SURVEY.** Reduction of part of Shat el Frat or River Euphrates, trigonometrically surveyed when in its lowest state in the year 1841-2, by Commander H. B. Lynch, I.N., assisted by Lieutenants C. D. Campbell, J. E. Jones, and H. W. Grounds, Indian Navy. Compiled from three sheets on a scale of 1 mile to 1 inch by J. M. Gonsalves. *Scale, 4 geographical miles to 1 inch; size, 22 inches by 31.*

**VOYAGE of the EUPHRATES, Suklewieh to Muskeneh (Bales).** With a Chart of (that part of) the River Euphrates and Views, by Lieut. W. J. Powell, I.N. May 1872. *On 3 sheets; scale 4 miles to 1 inch.* Selections from the Records of the Government of India, Foreign Department, No. CV.

**EUPHRATES SURVEY, Ethdhein to Deir.** Surveyed in 1842 by Lieut. Felix Jones. On 4 sheets of tracing paper. Also drawings of the first and second sheets, entitled "3 and 4 comprise Sheet 2nd of the River Euphrates trigonometrically surveyed when in its lowest state in January and February 1842." *Scale, 1 inch to 1 geographical mile = 2,025 yards; size of each, 18 inches by 24.*

**Description of RASAPHE, and of the BANKS of the EUPHRATES.** By Captain H. Blosse Lynch, I.N. 1841-42. Fcap., 23 pages. MS.

*Mesopotamian Surveys.*

**Original detailed Plan of the RUINS of BABYLON.** By Felix Jones. (Including the town of Hillah.) *Scale, 400 yards to 1 inch; size, 37 inches by 25.* MS.

**TRIANGULATION from BAGDAD to BABYLON.** *Scale, 5 miles to 1 inch; size, 14 inches by 17.* MS.

**From BABYLON to the SEA of NEJEF.** By Felix Jones. (Including the origin of the Hindiyeh, Kerbela, and Al Heimer.) *Scale, 4,000 yards to 1 inch; size, 36 inches by 25.* MS.



# A collection of Original Sketch Maps of the MESOPOTAMIAN SURVEY. On 14 sheets :—

1. Hillah Gardens to El Geraineh.
2. Kifl, Kerbela, Hillah, &c., with Birs Nimrud enlarged.
3. Plan of Tel Ibrahim.
4. The Sea of Nejef.
5. El Heimar. (See Selby's Babylon, sheet 2.)
6. Hillah to Niffer.
7. Sheriat el Beytha to Tel Ibrahim.
8. The Sea of Nejef to Samawah.
9. Sook es Shuykh to Hamar, Euphrates.
10. Dewaniyeh to Ashmea, Euphrates and right bank.
11. Seleucia and Ctesiphon. 1,000 yards to 1 inch.
12. Mesopotamia, Tel Ibrahim to Niffer. 4,000 yards to 1 inch.
13. Moosseib to Kerbela and Meshed Ali or Nejef.
14. Meshed Ali or Nejef to Hillah. MSS.

## MESOPOTAMIAN SURVEY, 1860-65. Field Books in Pencil. In 5 vols. oblong, red leather covers.

To His Highness Omar Pasha, G.C.B., Generalissimo of the Ottoman Armies, and Governor-General of Turkish Arabia, this—

PLAN of the supposed RUINS of BABYLON, by William Beaumont Selby, Commander Indian Navy, and Surveyor in Mesopotamia, assisted by Lieut. W. Collingwood, Indian Navy—is . . . dedicated. 1859. *Scale, 800 yards to 1 inch; size, 27 inches by 40; price 4s.*

A Plan of Birs Nimrud, and views of the Kasr and Babel are inserted in the margin.

BABYLON, Sheets I. and II., being the original drawings of the above. *Scale, 500 yards to 1 inch.*

TRIGONOMETRICAL SURVEY of a Part of TURKISH ARABIA, SOUTH of BABYLON, including the Bahr-i-Nejef and the ruins of many ancient cities. By William Beaumont Selby, Commander H.M. Indian Navy, and the Surveyor in Mesopotamia, assisted by Lieut. W. Collingwood, H.M.I.N. 1860. Sheet 1st. With views of Meshid Ali or Nejef, Kifl, and Cufa. *Scale, 2,000 yards to 1 inch; size, 36 inches by 52. MS.*

TRIGONOMETRICAL SURVEY of a part of MESOPOTAMIA, from Hillah to the ruins of Niffer, with the rivers Euphrates and Tigris. By Lieut. W. Collingwood, Her Majesty's Indian Navy, Surveyor in Mesopotamia in the autumn of 1861 and in the spring of 1862. *Scale, 4,000 yards to 1 inch; size, 42 inches by 30; price 4s.*

\* With views of the Niffer Mounds, the ruin of Nejmi, Tel Ibrahim, and Zibbleyeh; also enlarged plans of Niffer and Tel Ibrahim.

The Original Drawing of the above on the same scale.

TRIGONOMETRICAL SURVEY of a part of MESOPOTAMIA, from Sheriat el Beytha to Tel Ibrahim, with the rivers Euphrates and Tigris. By Commander W. B. Selby and Lieut. J. B. Bewsher, Her Majesty's late Indian Navy, successively Surveyors in Mesopotamia, 1862 to 1865. *Scale, 4,000 yards to 1 inch; size, 30 inches by 20; price 4s.*

\* With views of Baghdad, the Suk el Ghuzl, and Tak Kesra; also a skeleton plan of the Historical Sites, and an enlargement of Abu Hubba.

The Original Drawing of the above on the same scale.

Original Drawing of the YUSUFIYEH CANAL or NAHR MALKA. By Felix Jones. Included in the foregoing map. *Size, 36 inches by 24. MS.*

MEMOIR on part of MESOPOTAMIA contained between Sheriat-el-Beytha, on the Tigris; to Tel Ibrahim. By Lieut. J. B. Bewsher, Surveyor in Mesopotamia. 1866. Fcap., 13 pages.

TRIGONOMETRICAL SURVEY of a part of MESOPOTAMIA, including the Bahr-el-Nejf and the channels connecting it with the Euphrates; also the towns of Massoud, Kerbela, and Meshed Ali; with the Ruins of Kufa and Birs Nimrud. Drawn by Lieut. W. Collingwood, late Indian Navy, from the original surveys made by Commander W. B. Selby and himself. *Scale, 4,000 yards to 1 inch.*

*Vestiges of Assyria.*

VESTIGES of ASSYRIA, SHEET 1ST, an Ichnographic Sketch of the Remains of Ancient Nineveh, with the enceinte of the modern Mosul, the *ῥῶμα* of Arab MSS. and the ΜΕΣΗΠΙΑ of the Anabasis. Constructed from Trigonometrical Survey in the spring of 1852 at the command of the Government of India, by Felix Jones, Commander Indian Navy, and Surveyor in Mesopotamia, aided in the field operations by J. M. Hyslop, Esq., M.D., Medical Staff Bombay Army. Engraved by J. & C. Walker. Dedicated to Lieut.-Colonel Rawlinson, C.B., now Major-General Sir Henry Rawlinson. *Scale, 1,000 feet to 1 inch; size, 50 inches by 30; price 6s.*

A copy of the Original Drawing in colours. MS.

VESTIGES of ASSYRIA, SHEET 2ND, showing the positions and plan of the ancient cities of Nimrud and Selamiyeh, the former identical with *Λαρισσα* of Xenophon, perhaps the "Calah" of Genesis and the *𐎶𐎵.𐎶𐎶𐎶𐎶* of the Cuneiform inscriptions. From Trigonometrical Survey made in the spring of 1852 at the command of the Government of India, by Felix Jones, Commander Indian Navy, and Surveyor in Mesopotamia, aided in the field operations by J. M. Hyslop, Esq., M.D., Medical Staff Bombay Army. Dedicated to Austen Henry Layard, Esq., &c. &c. &c. *Scale, 1,000 feet to 1 inch; size, 50 inches by 30; price 6s.*

A copy of the Original Drawing in colours. MS.

As an Accompaniment to the 1st and 2nd Sheets of the—

VESTIGES of ASSYRIA, SHEET 3RD, being a Map of the country included in the angle formed by the River Tigris and the Upper Zab, showing the disposition of the various ancient sites in the vicinity of Nineveh. From Trigonometrical Survey made by order of the Government of India in the spring of 1852, by Felix Jones, Commander Indian Navy, and Surveyor in Mesopotamia, aided in the field operations by J. W. Hyslop, Esq., M.D., Medical Staff Bombay Army. Dedicated to the Right Hon. Viscount Stratford de Radcliffe. *Scale, 1,000 feet to 1 inch; size, 50 inches by 30; price 6s.*

A copy of the Original Drawing in colours. MS.

VESTIGES of ASSYRIA, SHEET 4TH, descriptive of the remains of one of the principal cities of that region bearing the modern name of Kalesi Sherkat. Surveyed by Commander Felix Jones, Indian Navy, by order of the Government of India. Now identified with Ir Ashur of the inscriptions, with "Ellasar" and "Resen" of Genesis, with "Tel Assar," of the Targums, and with the *Τελαννη* of Stephen of Byzantium, by Colonel Rawlinson, C.B., &c. *Scale, 250 feet to 1 inch; size, 40 inches by 27; price 6s.*

A copy of the Original Drawing in colours on tracing cloth.  
MS.

*Baghdad.*

Ground Plan of the ENCEINTE of BAGHDAD, the capital of Irak Mesopotamia, called also Dar-es-Salam, and Medinet-al-Kholafa in Arab MSS. From actual surveys made by Commander Felix Jones and Mr. W. Collingwood, Mid. Indian Navy. 1853-1854. *Scale, 13½ inches to 1 geographical mile; size, 50 inches by 30.*

Drawing of the same in outline. *Size, 37 inches by 24.* MS.

BAGHDAD and KATHEMIM, with River Tigris, villages, and date groves to the north and south. Rough unfinished working sheet, by Felix Jones. Trigonometrically executed. *Size, 29 inches by 50.* MS.

*The River Tigris.*

Survey of the RIVER TIGRIS by Claudius James Rich, Esq., Hon. East India Company's Resident at Bagdad. *No date or scale; size, 58 inches by 26.* MS.

Chart of RIVER TIGRIS from Moosul to Bagdad, 1831. *Scale, 8 miles to 1 inch; size, 33 inches by 18.* MS.

Sketches of RUINS and REMARKABLE POINTS on the banks of the TIGRIS from Moosul to Bagdad. 1831. *Size, 10 inches by 32.* MS.

Map from BAGDAD to the TOWN of BIR (really Busra) on the Euphrates. By Messrs. Elliot and Ormsby. 1831. *Scale, 13 miles to 1 inch; size, 19 inches by 24.* MS. (Two copies.) See Ormsby's Surveys, page 491.

The LINE of ROUTE traversed by Lieut. Roberts Taylor, 2nd Madras Cavalry, from BAGDAD to BUSSORAH via the ancient canal of the Hye. *No date or scale; size, 22 inches by 30.* MS.

Sketch of the RIVER TIGRIS and that part of MESOPOTAMIA between the ruins of the Median Wall and canal of Saglawea. By Capt. H. Blosse Lynch. *Scale, 2 miles to 1 inch; size, 34 inches by 26.* MS.

The TIGRIS from Nineveh to Ctesiphon and the country of Babylon. Dedicated to Her most Gracious Majesty the Queen Victoria, by H. Blosse Lynch, Commanding on the Survey of Mesopotamia, Lieut. M. W. Lynch, and H. W. Grounds, I. N. Bagdad, June 1839. *Scale, 4 miles to 1 inch; size, 78 inches by 41.* MS.

Stasimetric Survey of the RIVER TIGRIS, by Lieuts. C. D. Campbell, J. F. Jones, and H. Grounds, in March 1841; re-examined and sounded in October and November 1842, by Commander H. B. Lynch and Lieut. J. F. Jones, Indian Navy. On Mercator's projection. *Scale, 4 miles to 1 inch.* Sheet 1, Bagdad to Hie and Ibn Isa. *Size, 25 inches by 31.* Sheet 2, Ibn Isa to the Persian Gulf. *Size, 37 inches by 28.* MSS.

Journal of a STEAM TRIP to the NORTH of BAGDAD in April 1846, with notes on the various objects of interest met with. Also a view of Samarra and a map of that town with the ruins around it; and a plan of the ruined fort of Qadasiyeh, and a view of it from the Tigris. By Lieut. J. Felix Jones, Indian Navy. Fcap., 65 pages and maps. MS.

*Note.*—Printed in Bombay Selections, No. XLIII.

A map of the RIVER TIGRIS, from BAGDAD northward to DUR, with the course of the Nahrwan Canal, and the old bed of the Tigris below Quadesiyeh. By Felix Joues, Capt., I.N. See the "Journal of a Steam Trip," in the Bombay Selections, No. XLIII. No title. *Scale, 2 miles to 1 inch; size, 40 inches by 27.* MS.

IRRUPTIONS of the TIGRIS, Sheet I. Plans made in the lowest season by William Beaumont Selby, Commander Indian Navy, and Surveyor in Mesopotamia :—Suaji on the left bank one hour above Fil-a-fil;—Oom-el-Henna on the right bank. *Scale, 300 feet to 1 inch.* 1860. Sheet II. The Hud. *Scale, 400 feet to 1 inch; with a map of the Tigris from Duffas Grove to the Gurmah at Zobeyr with the courses of the Hud. Scale, 1 inch to 2,000 yards; size, 33 inches by 26.* MSS.

Part of the RIVER TIGRIS north of KÚT-AL-AMÁREH, and junction of the Hye River, up to Jarjaraiyeh, By Felix Jones. *Size, 15 inches by 22.* MS.

Working Sheet, unfinished. The TIGRIS, north and south of the ancient cities of Seleucia and Ctesiphon, the Modain of Arab geographers. Showing the connexion of the Nahr Malka or Royal Canal with the former city, and that of the Nahrawan with the latter. Trigonometrically projected by Felix Jones. *Size, 60 inches by 28.* MS.

### *The Shat-el-Arab.*

Sketch of the COURSE of the SHAT-UL-'ARAB from the entrance to Mahomerah. By Captain Felix Jones, Resident, Persian Gulf; and Captain M. Green, Sind Horse, constructed while reconnoitring the enemy's position at Mahomerah in company with Commodore Ethersey and Captain J. W. Young, I. N., in February 1857. *Scale, 1 inch to 1 mile; size, 46 inches by 20.*

The SHAT AL ARAB from the GURMA'T 'ALI to BUSRA, trigonometrically surveyed by Lieut. Wm. Collingwood, H.M.I.N. May 1859. *Scale, 1,000 feet to 1 inch; size, 36 inches by 50.* MS. Also a copy on tracing paper.

Plan showing the Position of the BUOYS at the Mouth of the SHAT UL 'ARAB. By Charles D'Arcy, Acting Lieut. I.N. *Scale, 1 mile to 1 inch; size, 15 inches by 11.* MS.

Plan of FAO, showing the position of the SUBMARINE CABLE. 1864. *Scale, 1 mile to 1 inch; size, 20 inches by 14.* MS.

### *The Karun and Dizful Rivers.*

A general chart of the part of the KARUN RIVER about Ahwaz including the Bund, and of the river Karun and Dizful and of the Aubigargar canal. Compiled from the trigonometrical survey in 5 sheets by Lieut. Selby, I.N. *Scale, 5 miles to 1 inch; size, 32 inches by 17.* MS.

The same lithographed.

Survey of the RIVER KARUN from its junction with the SHAT EL ARAB below MOHAMEERAH to about 20 miles above Ahwaz; from Ismaeenah upwards trigonometrically surveyed during a low state of the river in June 1841. By Lieut. W. B. Selby, I.N. *Scale,  $\frac{1}{4}$  inch to 2,040 yards; size, 28 inches by 52.* MS.

Trigonometrical Survey of the RIVERS KARUN and DIZFUL and the Aub-i-Gargar Canal, in the month of April 1842. The soundings, taken when the river had fallen considerably, are in fathoms. *Scale,  $\frac{1}{2}$  inch to 2,040 yards.* Signed by H. B. Lynch, commanding Euphrates Expedition; W. B. Selby, Lieutenant; and J. F. Jones, Assistant Surveyor, &c. *Size, 29 inches by 20.*

*The Diala, Nahrwan, &c.*

Chart of the DIALA, CANALS, and COUNTRY between BAGHDAD and the HAMREEN HILLS. By Lieut. Grounds, I.N. 1839. *Scale, 2 geographical miles to 1 inch; size, 29 inches by 21.* MS.

The ancient NAHRAWAN CANAL, from its junction with the Upper Tigris to Ctesiphon. By Capt. Felix Jones, I.N. *Size, 40 inches by 27.* MS.

Field Sheet. OLD BED of the TIGRIS, and site of the ancient OPIS. By Felix Jones. (Included in the foregoing map.) *Size, 20 inches by 11.* MS.

Part of the NAHRAWAN CANAL and the DIYALEH RIVER. *Size, 36 inches by 24.* MS.

SHAT EL DIJLEH, the River Tigris from BAGDAD to KÚT, showing the prolongation of the great Nahrwan Canal of antiquity, as also the Diyaleh and Hye connexions with the Tigris. By Felix Jones. *Size, 36 inches by 24.* MS.

*Syria and Palestine.*

Atlas von PALAESTINA und der SINAI-HALBINSEL, zu C. Ritter's Erdkunde, Band XIV-XVI. *Scale, 1 : 333,333 = 5.2 miles to 1 inch; on 15 sheets; size of each, 17 inches by 23, in a cover.*

Trial section from the PLAIN of ANTIOCH to the PLAIN of Terib. *Horizontal scale, 6 inches to 1 mile; size, 32 inches by 76.* MS.

Trial section at ALEPPO. *Horizontal scale, 6 inches to 1 mile; size, 22 inches by 30.* MS.

*Crete.*

CANDIE, CRITI, ou CRETE, au 400,000<sup>e</sup>, dressée principalement sur les mémoires et reconnaissances de M. le Lieutenant-Général Comte Mathieu Dumas, ainsi que sur les extraits des auteurs Byzantins et Italiens, communiqués par M. le Chevalier Hase, membre de l'Institut, et appuyée sur les observations astronomiques et sur les relevemens de M. Gautier, Capitaine de Vaisseau par le Chevalier Lapie, officier supérieur au Corps Royal des Ingénieurs Geographes. 1825. *Size, 22 inches by 32.*

*Asia Minor.*

КАРТА МАЛОЙ АЗИИ \* \* \* Map of Asia Minor constructed at Polkova, from astronomical observations made in 1834 and 1835 (in the Russian language). *Scale, 14 miles to 1 inch; on 2 sheets; size, 36 inches by 51.*

Carte Géographique de l'ASIE MINEURE rédigée à l'échelle de 1 : 1,000,000, par A. de Bolotoff, Général à l'Etat Major de Russie, d'après des matériaux inédits et les données fournies par P. de Tchihatchef. 1853. *On 2 sheets; size, 30 inches by 42.*

Plan of a portion of the CONSTANTINOPLE and BUSSORAH LINE of TELEGRAPH laid under the direction of Lt. Col. Biddulph, R.A. Drawn by Lt. Holdsworth, R.A. 1860. *Scale, 1 inch to 1 mile; size, 30 inches by 43.*

### *Armenia.*

Sketch of the FORTRESS of KARS and ENVIRONS, and of the action fought between the Turks under the command of General Williams, and the Russians under General Mouraviev, Sept. 29th 1855. *Size, 13 inches by 18.*

The FORTRESS and FIELD DEFENCES of KARS, representing the action between the Russians under General Mouraviev, and the Turks under General Williams, on the 27th Sept. 1855. *Size, 27 inches by 40.*

## IX. ARABIA.

### *General Maps.*

Map of MARITIME ARABIA with the opposite Coasts of Africa and Persia. Reduced in the Quartermaster-General's Office, from an original map by Colonel T. Dickinson, Chief Engineer. 1843. *Scale, 65 miles to 1 inch; size, 24 inches by 37.*

ARABIA. By William Henry F. Plate, LL.D., &c. Drawn for Colonel Chesney's work on his Euphrates Expedition. From European and Oriental sources, among the latter Ibn Kordabbah. London, 1847. *Scale, 60 miles to 1 inch; size, 28 inches by 26.*

Map of ARABIA. Compiled from all the most recent authorities by order of the Court of Directors of the East India Company. By John Walker. 1849. *Scale, 36 miles to 1 inch; size, 40 inches by 54; price 12s.*

UEBERSICHTS-KARTE von ARABIEN zu C. Ritter's Erdkunde (Buch III.). West Asien, Theil XII., XIII. Bearbeitet von H. Kiepert, herausgegeben von C. Ritter. Berlin, 1852. *Scale, 95 miles to 1 inch; size, 18 inches by 23. See Ritter's Atlas, General Maps of Asia, page 339.*

Note on certain QUESTIONS relative to the interior of ARABIA, discussed before the Royal Geographical Society on the 22nd February and 14th March 1864, and published in their issue of 28th April 1864. Fcap., 13 pages, with a map.

ZIMMERMANN'S MAPS of ARABIA. *See Atlas von Vorder Asien, General Maps of Asia, page 463.*

### *Oman and the Northern Coast.*

A revised Map of 'OMAN and the PERSIAN GULF, in which an attempt has been made to give a correct transliteration of the Arabic names. By the Rev. George Percy Badger, F.R.G.S. 1871. *Scale, 37 miles to 1 inch. With a plan of Maskat and el Matrah on the scale of 3½ inches to 1 mile. Also a view of the town of Maskat. Size, 22 inches by 30.*

View of MUSCAT TOWN and FORTS. 1811. Drawn in water colour. *Size, 14 inches by 20.*

View of MUSCAT, entrance of PERSIAN GULF. An oval drawing in Indian ink. *Size, 9 inches by 12.*

Trigonometrical Survey of the RIVERS KARUN and DIZFUL and the Aub-i-Gargar Canal, in the month of April 1842. The soundings, taken when the river had fallen considerably, are in fathoms. *Scale,  $\frac{1}{2}$  inch to 2,040 yards.* Signed by H. B. Lynch, commanding Euphrates Expedition; W. B. Selby, Lieutenant; and J. F. Jones, Assistant Surveyor, &c. *Size, 29 inches by 20.*

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Trial section at ALEPPO. *Horizontal scale, 6 inches to 1 mile; size, 22 inches by 30. MS.*

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KAPTA MAJOÏI A3IH \* \* \* Map of Asia Minor constructed at Polkova, from astronomical observations made in 1834 and 1835 (in the Russian language). *Scale, 14 miles to 1 inch; on 2 sheets; size, 36 inches by 51.*

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ARABIA. By William Henry F. Plate, LL.D., &c. Drawn for Colonel Chesney's work on his Euphrates Expedition. From European and Oriental sources, among the latter Ibn Kordadbah. London, 1847. *Scale, 60 miles to 1 inch; size, 28 inches by 26.*

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View of MUSCAT TOWN and FORTS. 1811. Drawn in water colour. *Size, 14 inches by 20.*

View of MUSCAT, entrance of PERSIAN GULF. An oval drawing in Indian ink. *Size, 9 inches by 12.*



Plan of the ATTACK of RAS-UL-KHYMA by the forces under Sir Wm. G. Keir, K.M.T., between the 3rd and 9th of December 1819. *Scale, 6 inches to 1 mile; size, 16 inches by 13.* MS.

A Map of the OASIS of EL HASA. *Scale, about 1 mile to 1 inch; size, 12 inches by 16.* MS.

*Capt. Sadleir's Route.*

Route across ARABIA from El Katif in the Persian Gulf to Yambo in the Red Sea. Compiled from the Journal of Capt. Sadleir. 1821. *Scale, 75 miles to 1 inch; size, 13 inches by 17.* MS.

Narrative by Capt. Sadleir of his PROCEEDINGS in ARABIA. With remarks on his route across Arabia, from El Kuttuff on the Persian Gulf to Yambo on the Red Sea. 1820. In 2 vols., post folio. MS.

Diary of a JOURNEY across ARABIA, from EL-KHATIF, in the Persian Gulf, to YAMBO, in the Red Sea, during the year 1819. (With a map.) By Capt. G. Forster Sadlier, of H.M.'s 47th Regiment. Compiled from the Records of the Bombay Government, by P. Ryan, Esq., Assist. Sec. to Govt. Bombay, 1866. 8vo., stiff cover.

*South-western Arabia.*

A Map of the SOUTH-WESTERN PART of ARABIA, from Hodeidah to the Oulgee Country, east of Aden, showing the political divisions. No title. Horse Guards, May 1839. *Scale, 24 miles to 1 inch; size, 13 inches by 17.* MS.

A Map of the SOUTH-WESTERN PART of ARABIA, from Hodeidah to Wady Meifah. From information. Signed by Capt. Haines, I.N., Political Agent at Aden. *Scale, about 24 miles to 1 inch; size, 15 inches by 19.* MS. tracing.

Memoir of SOUTHERN ARABIA, by Commander S. B. Haines, Indian Navy. 1838. Part 1st. Fcap., 208 pages, with views and inscriptions. MS.

Journal of an EXCURSION from MOREBAT to DYNEEZ, the principal town of Dofar, &c. By Mr. Cruttenden, Indian Navy. 1836. Fcap. 16 pages. MS.

SUDWESTLICHES ARABIEN (Hidjaz und Yemen) zu C. Ritter's Erdkunde, Buch III., West Asien, Theil XII. Bearbeitet von H. Kiepert, herausgegeben von C. Ritter. Berlin, 1852. *Scale, 32 miles to 1 inch; size, 23 inches by 18.*

Map of SOUTH-WESTERN ARABIA. With the Routes of Travellers. Topographical Depôt, Horse Guards, 1874. *Scale, 10 miles to 1 inch; size, 24 inches by 36.*

*Aden.*

A British military station and port with dependencies under a Resident, subordinate to the Government of India.

*Haines' Survey.*

The several BAYS near CAPE ADEN on the Arabian Coast, surveyed trigonometrically, 1836. With three outline sketches of the coast. This

survey was executed in the Hon. Company's surveying vessel "Palinurus," under the direction of S. B. Haines, Acting Commander and Surveyor. *Scale, 1 nautical mile to 1 inch; size, 27 inches by 40.*

Views. 1, Land forming the west side of Bunder Fuggum (west of Aden); 2, Gibbul Shumsan, from the vessel at anchor in Aden eastern bay. 1836. *On 1 sheet; size, 11 inches by 23. MS.*

This is the original drawing of the sketches engraved in Capt. Haines' chart.

INDIAN PAPERS, No. IX. Correspondence relating to Aden. Presented by Her Majesty's command. With maps of Aden and Yemen. Fcap. folio.

### *Defences of Aden.*

*By Lieut Curtis, 1842.*

Plan showing the OLD LINE of FIELD WORKS across the ISTHMUS of ADEN, and the LINE of PERMANENT WORKS proposed for construction. Signed J. A. Curtis, Lieutenant, Executive Engineer's Office, Aden, June 24th 1842. *Size, 21 inches by 30. MS.*

*By Major Jacob, R.A., and Major (afterwards Lt.-Col.) Grant, R.E. On special duty, 1843-44.*

1. Skeleton Plan of a SURVEY of the EASTERN PORTION of the PENINSULA of ADEN. *Scale, 80 yards to 1 inch; size, 52 inches by 100. MS.*
2. Sections of DURUB-UL-HOSH. *On 4 sheets.*
3. Sections of RAS-UL-GIRREFF. *On 5 sheets.*
4. Sections of JIBBUL HUDDIED. *On 6 sheets.*
5. Section on outer side of MUNSOOREE RANGE. *On 1 sheet.*
6. Section along ridge from OFFICER'S TOWER. *On 1 sheet.*
7. Sketch in Outline of the ISTHMUS of ADEN, showing the manner in which the Special Committee propose to defend the flanks of their position. Poona, 15th July 1843. *Scale, 80 yards to 1 inch; size, 30 inches by 42. MS.*
8. Survey of the NORTHERN or MUNSOOREE RANGE, together with the ISTHMUS of the PENINSULA of ADEN. Signed by W. Jacob, Major of Artillery, and C. W. Grant, Major of Engineers, on special duty on defence of Aden. Bombay, 11th September 1843. *Scale, 80 yards to 1 inch; size, 33 inches by 57. MS.*
9. Plan of RAS-UL-GIRREFF, showing the junction with the proposed line of works across the isthmus with the tunnel and projected scarping and ultimate batteries on the hill. Also, Plan of GIBUL HUDDIED and the END of the SPUR from DURUB-UL-HOSH, showing the junction of the projected line of works across the isthmus with the ultimate defences on Gibul Hudeed and the pier. With ground plans and sections. 1843. *Scale for maps and sections, 80 feet to 1 inch; size, 33 inches by 49. MS.*
10. Plans and Sections of the several REDOUBTS and connecting RAMPART and DITCH forming the proposed NEW LINE of WORKS across the ISTHMUS of ADEN. 1843. *Size, 33 inches by 49. MS.*

11. Plan and Sections of OPEN and ENCLOSED RESERVOIRS for the SUPPLY of WATER to the TROOPS in the NEW CANTONMENT on the ISTHMUS. Also, Plan, Elevation, and Sections of the Pier of Obstruction and Landing Pier, with the Guard-room and Battery, &c. 1843. *Size, 25 inches by 37.*

12. Plans by Lieut.-Colonel C. W. Grant, Bombay Engineers. Furnace for heating shot; cast-iron traversing platform; raft for extending a pier into deep water; proposed European barracks. 1844. *On 1 sheet; size, 30 inches by 52.*

*Aden—Marshag Defences.*

13. Outline, Plan, and Sections of the PROMONTORY of MARSHAG on the S.E. side of the PENINSULA of ADEN. 1844. *Scale of plan, 80 yards to 1 inch; size, 23 inches by 55. MS.*

14. Plans and Sections of the Sea DEFENCES on MARSHAG, ADEN. 1844. *Scale, 20 feet to 1 inch; size, 28 inches by 50. MS.*

*Aden—Seera Island Mole and Defences.*

15. Outline, Plan, and Sections of the ISLAND of SEERA on the S.E. side of the PENINSULA of ADEN. 1844. *Scale of plan, 80 yards to 1 inch; size, 43 inches by 30. MS.*

Plans and Sections of the proposed SEA DEFENCES on SEERA ISLAND, ADEN. 1844. *Scale, 20 feet to 1 inch; size, 29 inches by 51. MS.*

16. Battery and Defences on SEERA MOLE, ADEN. *Scale, 25 feet to 1 inch.* Also on the same sheet, Plan of the Defensible Barrack or Military Post intended for the Table Land immediately overlooking the Ravine or Valley of the Wells, Aden. 1844. *Scale, 20 feet to 1 inch; size, 30 inches by 52.*

17. Plan and Sections of SEERA MOLE in the FRONT BAY of ADEN. 1843-44. *Scale, 25 feet to 1 inch; size, 23 inches by 37. MS.*

*Aden—West Bay Defences, &c.*

18. Outline, Plan, and Sections of SHUWYEE or LONG ISLAND in the HARBOUR of ADEN. 1844. *Scale of plan, 80 yards to 1 inch; size, 23 inches by 55. MS.*

19. Survey of ground between RAS TARSHAYN and RAS HEDJUFF including STEAMER POINT in the WESTERN BAY of ADEN. 1843-44. *Scale, 80 yards to 1 inch; size, 30 inches by 52. MS.*

20. Plan and Sections of FLINT ISLAND in the WESTERN BAY of ADEN, proposed for a coal depôt. 1844. *Scale of plan, 50 feet to 1 inch; size, 27 inches by 40. MS.*

21. Soundings in feet round FLINT ISLAND reduced to extreme low water mark as corrected by a tide gauge. 1844. *Scale, 50 feet to 1 inch; size, 40 inches by 27. MS.*

Plan of the SEAWARD DEFENCES at STEAMER POINT, ADEN. No date. *Scale, 200 feet to 1 inch; size, 28 inches by 56. MS.*

22. Outline, Plan, and Sections of RAS MORBUT at the entrance of the HARBOUR of ADEN. 1843-44. *Scale, 80 yards to 1 inch; size, 19 inches by 25.* MS.

*Aden Defences—By Capt. Kilner, R.E. 1846.*

1. Sketch of the PENINSULA, or CAPE of ADEN, with ranges of batteries and references to Bombay Letter No. 113 of 1846. *Scale, 300 yards to 1 inch; size, 27 inches by 40.* MS. tracing.
2. Outline Plan of the WORKS connected with the DEFENCE of the MAIN PASS at ADEN. *Scale, 40 feet to 1 inch; size, 27 inches by 40.* MS. tracing.
3. Enlarged Plan and Sections to accompany PLAN of WORKS connected with the DEFENCE of the MAIN PASS at ADEN. *Scale, 12 feet to 1 inch; size, 27 inches by 31.* MS. tracing.
4. WORKS on the SUMMIT of the CONICAL HILL in rear of RAS MORBAT. *Scale, 15 feet to 1 inch; size, 27 inches by 40.* MS. tracing.

*Aden—General Maps, 1855-63.*

Sketch of the PENINSULA or CAPE OF ADEN. *Scale, 300 yards to 1 inch.* Showing the military limits, dated August 25th 1855; the Isthmus reservoirs; proposed lakes; and Zawella tanks. *Size, 26 inches by 38.* MS.

Plan of the PENINSULA or CAPE of ADEN, exhibiting the proposed military limits which are colored red, marked by a dotted line. Aden, July 1855. Lithographed at the office of the Chief Engineer, Bombay, 1862. *Scale, 200 yards to 1 inch; size, 35 inches by 50.*

PENINSULA of ADEN, 1863. *Scale, 600 yards to 1 inch; size, 13 inches by 18.* Mounted on millboard. MS.

*Aden Defences—By Capt. Pym, R.E. 1863?*

1. Sketch Plan showing PROPOSED LINE of SCARP on the SOUTHERN RANGE at ADEN. *Scale, 200 feet to 1 inch; size, 29 inches by 37.* On tracing cloth. MS.
2. 3. LONGITUDINAL SECTION at crest of Proposed Scarp; also, Average Sections. *On 2 sheets of tracing cloth; size of each, 29 inches by 37.* MS.
4. BRIDGE for the SOUTH PASS. On tracing cloth. *Size, 25 inches by 33.* MS.

Plans of the PERMANENT BARRACKS at ADEN (Arabia). 1865. In a cover:—

1. Sketch map of the country round Aden.
2. Plan of Aden on the coast of Yemen, a province of Arabia Felix. *Scale, 6 miles to 1 inch.*
3. Artillery Barracks, Front Bay.
4. Ditto ditto.
5. Infantry Barracks, ditto.
6. Ditto ditto.
7. Ditto Isthmus.
8. Ditto ditto.
9. Ditto Steamer Point.
10. Ditto ditto.

## X. CHINESE EMPIRE.

*Atlases and General Maps.*

Nouvel Atlas de la CHINE, de la TARTARIE CHINOISE, et du THIBET: contenant les cartes générales et particulières de ces pays, ainsi que la carte de royaume de Corée; la plupart levées sur les lieux par ordre de l'Empereur Cang-Hi, avec l'exactitude imaginable, soit par les PP. Jésuites Missionnaires à la Chine, soit par des Tartares du Tribunal des Mathématiques, et toutes revues par les mêmes Pères: Rédigées par M. D'Anville, Géographe Ordinaire de sa Majesté Très-Chrétienne, précédé d'une description de la Boucharie, par un Officier Suédois qui a fait quelque séjour dans ce pays.

## LISTE et ORDRE des CARTES comprisés dans cet ATLAS.

1. Carte la plus générale de toutes, comprenant la Chine, la Tartarie, et le Thibet.
2. Carte générale de la Chine.
- 3-17. Provinces de la Chine.
18. Carte générale de la Tartarie Chinoise.
- 19-30. Feuilles Particulières de la Tartarie Chinoise.
31. Le Royaume de Coée.
32. Carte générale du Thibet.
- 33-41. Feuilles Particulières du Thibet.
42. Voyage du Capitaine Beerings.

A la Haye, chez Henri Scheurleer. 1737. Folio, bound.

A Map of CHINA PROPER and COREA, with the outlines of the coast extended southward to include the Gulf of Siam. The part containing China Proper and Corea consists of sheets from an edition of D'Anville's Atlas de la Chine, and the remainder is in manuscript, the whole being usefully fitted together. No title or date. *Scale, 32 miles to 1 inch; size, 84 inches by 64.*

An Italian Map of the COAST of CHINA from the Island of Hainan to the Strait of Formosa. No title or date. *Size, 23 inches by 42. MS.*

A Chinese Map of the greater part of ASIA and part of EUROPEAN RUSSIA, &c., including the whole of Siberia and the Chinese Empire; the course of the Ganges according to the Lamas, to its outlet in the Bay of Bengal; likewise of the Indus, to its outlet in the Arabian Sea; also the outlines of the Persian Gulf; part of the Red Sea; all of the Black Sea; and the straits connecting it with the Ægean; the River Dneiper; the Gulfs of Riga and Finland, and the White Sea. The names, &c. are partly in Chinese and partly in Manchu, and the title or legend on Roll No. 1, is in both languages. Engraved and printed in or about 1761. *In ten parts; size of each, 27 feet 2 inches by 1 foot 9½ inches, forming ten rolls.*

The following translation of the Chinese part of the title or legend, was very kindly made by Robert K. Douglas, Esq., of the British Museum, and Professor of Chinese at King's College, London.

*Title or Legend.*

"In the course of many years during which we have been annexing territory, we have always had regard to his sacred schemes [the previous Emperor's]."

[*Note.*—The map of the world was begun in the reign of the Emperor Kang-he (1662-1722). The imperial ancestor ordered men to visit every tribe, to make investigation, and to map the country. In case they were not able to reach any district in person, they were directed to make inquiries about it, and to embody the result in the map, which was to be engraved on copper that it might descend to future ages.]

"It is now a fact that we have extended (our dominions) as far as the Ku-sau (Fa-han)."

[Note.—Last year Chun-kieh-wih† (Soungar) was pacified, and all the western tribes were carefully registered. In consequence of which the censor Ko-Tsung-kwo was ordered to conduct some Europeans (or a European) by the western and northern roads to Ko-go-chih-kih‡ to calculate its position, to note the climate and seasons, and to examine carefully the mountains and valleys, the practicable and impracticable roads and paths, both far and near, and to make a map thereof in accordance with the rules previously laid down.]

"These are not mere boasts. The military officers who were engaged in pulling down and building up, should together with the commissioners be rewarded. Let them enter the imperial presence and reverently report. The Rebel Passes having now been pierced, the Chinese ministers desire to see peace and prosperity spread far and wide. We continually look back at the tranquillity which prevailed during the Shih Dynasty, and long to renew it.

"An imperial note written in the 6th month of the year *ping-tzse* of the reign of the Emperor Keen-lung (1756).

"I venture to speak of the extension (of territory). Yen-Pih (?), who had acted in accordance with the plans of our predecessors, was after this ordered to cease from slaughter, since the horses and cattle of Sang-gih-loo§ (?) have been left without anyone to tend them, and the military posts had all been attacked and taken."

[Note.—In the year 1755 when Chun-kieh-wih (Soungar) was pacified, Ho-Tsung-kwo and others were ordered to take measurements and to make a map (of this district). In the year 1759, a census was taken of all the Mahommedan tribes, and Ming-Gan-too and others were again sent to settle and pacify the country, to watch the times and seasons, to regulate the government, and to fill in their observations on the former map, that it may descend to all ages as evidence of the truth of these statements.]

"The civil rule and appointed times of the present dynasty are now respectfully received, and even amid the cold and warmth of sunless valleys there is not to be found a single disturber of the royal rule of the Ting Dynasty, or of the tranquillity of the country. May this inheritance continue to all future generations!

"An additional note written by Tëh-Tseen-yun, in the 8th month of the year 1760."

This map was presented to the East India Company in 1825 by John Reeves, Esq., F.R.S., and L.S. of the Company's service in Canton. It is accompanied by an imperfect MS. index of the names prepared some time since, in 1 vol. fep. half-bound.

The map is divided into squares of  $2\frac{1}{2}$  inches, which seem at first sight to be formed by lines of latitude and longitude, like a plane projection. But although the perpendiculars conform on the whole to degrees of longitude, the horizontal lines do not correspond with parallels of latitude on any uniform basis. Thus, each roll is divided uniformly by equi-distant parallel lines, at  $2\frac{1}{2}$  inches apart; which, if the lines represented degrees, would make each roll contain 8 degrees of latitude. But while one roll actually embraces latitude to an extent of about  $4\frac{1}{2}$  degrees, another contains  $5\frac{1}{2}$ , another  $6\frac{1}{2}$ , and another more than 7 degrees. These discrepancies appear to have attracted attention on some previous occasion, as scales of latitude have been made on parchment for four of the rolls; but, on examination, it has been found that these scales cannot be relied upon for any exact purpose.

The map is nevertheless a work of importance. There is some account of it in an article on Maps of China, by Mr. W. Huttman, in the Journal of the Royal Geographical Society, Vol. 14. Mr. Huttman describes it as a new edition of the famous map constructed by the Jesuits under the orders of the Emperor Kang-he, combined with the more recent Jesuit Surveys of the Calmuck Territory and Eastern Turkestan, the acquisition of which by the Chinese was completed in 1759. The Emperor Kang-he's Survey formed the basis of D'Anville's "Atlas de la Chine,"

\* Ferghana now Kokan.

† Chun-kieh-rh in the "Chinese Topography."

‡ Perhaps identical with Kih-shih-kih-rh ching, or Kashgar, of the "Chinese Topography."

§ Can this be another name for the Soungar country, to avoid tautology? For it is the Soungars who were "pacified" on this occasion by the seizure of their military posts and the slaughter of the people; and it seems to be their horses and cattle to which attention is directed.

which Mr. Huttman correctly describes as “by no means a complete and exact translation of the original”; but he is not right in asserting that D’Anville “limited his responsibility to following the tracings and translations which were sent by the Jesuits from China;” for that statement is contrary to the declaration of D’Anville himself, contained in his “Mémoire sur la Chine,” published at Peking and Paris in 1776.

These remarks are only intended to serve as a preliminary clue to the practical use of this work. It may be added that while the map displays an interest on the part of the Chinese Government in the outer world as far as the Arctic Ocean, the borders of India, St. Petersburg, Constantinople, and Meena, it also exhibits some remarkably confused notions not due to the date of the work, of which the mixture of Turkistan with Persia is a curious example.

### An Atlas of the EIGHTEEN PROVINCES of CHINA PROPER. In Chinese.

The Chinese title, translated by Robert K. Douglas, Esq., is “Maps of each Province.” A preface states that the work was executed by Lew-Kwän in the year 1805; that three classes of towns are distinguished, namely, Fou, Chou, and Neen; and that 250 lie are reckoned to a degree.

#### CONTENTS.

1. General Map.	7. Fo-Keen.	14. Kan-So.
2. Man-Chew Tartary.	8. Hoo-Pë. } Hoo-	15. Se-Chuen.
3. Pe-che-le.	9. Hoo-Nan. } Kwang.	16. Kwang-Tung.
4. Keang-Nan (Gan-Hwuy and Keang-Su).	10. Ho-Nan.	17. Kwang-Se.
5. Keang-Se.	11. Shan-Tung.	18. Yun-Nan.
6. Che-Keang.	12. Shan-Se.	19. Kwei-Chow.
	13. Shen-Se.	

The maps are joined in one length and folded in a green figured silk cover, size 13½ inches by 16.

Presented by John Reeves, Esq., of Canton, 1825.

A Map of CHINA coloured, in Provinces, with a planisphere of the Eastern Hemisphere, and another including the whole world. In Chinese. Presented 25th November 1828, by J. G. Ravenshaw, Esq., in the name of his son, Edw. C. Ravenshaw, Esq., who obtained it in the Himalaya Mountains. Mounted on rollers. *Size, 54 inches by 28.*

The following note is by Robert K. Douglas, Esq. :—

“The bold heading is in Seal characters, and signifies ‘A Complete Astronomical (!) Map. Printed in the Capital’ (Peking).”

“The large type on the right hand side of the map signifies ‘A Complete Terrestrial and Celestial Map. Printed from the Imperial blocks.’”

“The large type between the two planispheres signifies ‘A Complete Map of the Four Seas taken from the work entitled *Hai-kwō-wān-chien-lūh.*’”

“The smaller type between the two planispheres is a note by Ma-Tsun-leang, describing the two maps, and the shape of the earth. On the left is another note by the same author, in which it is stated that the left-hand map was drawn by Chin-keun-mun, &c.

“The title of the Map of China is in the Seal character, and signifies ‘A Complete Map of the World.’”

Another copy of the same Map of CHINA differently coloured, with an astronomical planisphere. In Chinese. Presented, 25th November 1828, by J. G. Ravenshaw, Esq., in the name of his son Edward Coekburn Ravenshaw, Esq., who obtained it in the Himalaya Mountains. Mounted on rollers. *Size, 58 inches by 28.*

The following note is by Robert K. Douglas, Esq. :—

“The bold heading is in Seal character, signifying ‘A Complete Celestial and Terrestrial Map. Printed in the Capital’ (Peking).”

"The notes round the Map of China refer to the circumstances under which the dependent sovereigns, such as the rulers of Corea, Liu-chiu, Thibet, &c. hold their territory; and in this respect it is a duplicate of the preceding map, differing only in the colouring."

Observations on the route of the BRITISH EMBASSY, from KAO-MIN-TSE to NAN-CHANG-FOO. 1817. (Lord Amherst's Embassy.) Fcap., 11 pages, unbound. MS.

Map of CHINA, compiled from original Surveys and sketches by James Wyld, Geographer to the Queen. London, 1840. *Scale, 70 miles to 1 inch; size, 27 inches by 33.*

Map of CHINA and the adjacent COUNTRIES drawn from the latest Surveys and other authentic documents for Wm. H. Allen & Co., &c. By J. & C. Walker. 1842. *Scale, 75 miles to 1 inch; size, 25 inches by 31.*

Karte von CHINA und JAPAN den manen D'Anville's und Klaproth's gewidmet Potsdam von H. B. 1843. German orthography. Sheet No. 2. of Berghaus' Atlas of Asia. *Size, 27 inches by 40.*

КАРТА КИТАЯ \* \* \* A Map of KITAI (CHINA) and the regions of the Amur River, chomo-lithographed in the Topographical Depot (St. Petersburg) 1859. In Russian. *Size, 23 inches by 29.*

Memorandum on a General Map of the CHINESE EMPIRE by Tsung-Lae-Le. Fcap., 6 pages unbound. MS.

This memorandum does not appear to relate to either of the maps in the collection.

The NORTH-EAST PROVINCES of CHINA, including the coast from Chusan to the Gulf Liau-Tong. Compiled from Duhalde's maps of 1783, Macartney, Barrow, Parish and Staunton, 1793-7, Klaproth and Biot, 1842, the Admiralty Surveys by Capts. Bethune, Kellett and Collinson, 1842, Capt. Vansittart, 1855, Comr. Ward and Lieut. Bulloek, 1858, Monsieur Ploix' Survey of the Tientsin river, 1858. Part of the coast of Pe-Chilli from a Survey by Major A. Fisher, R.E., September 1859. By Edward J. Powell, of the Hydrographie Office, 1859. *Scale, 24 miles to 1 inch; size, 40 inches by 27.*

A CHINESE Map of the PROVINCE of KIANG-SI. *Size, 17 inches by 13.*

## CHINESE TOWNS, &c.

### Amoy.

Military Sketch of the CITY and SUBURBS of AMOY and the adjacent Island of Ko-ting-soo, with the defences at the date of their capture, on the 26th August 1841, by a combined naval and military force Lieut.-Gen. Sir Hugh Gough, K.C.B., and Rear Admiral Sir William Parker, K.C.B. By Lieutenants Rundall and Johnston, Madras Engineers. *Scale, 220 yards to 1 inch; size, 20 inches by 34.* MS.

### Canton.

Chart of the CANTON RIVER, with the Entrances and Islands. Compiled from original Surveys and Sketches, by James Wyld, Geographer to the Queen, 1840. *Scale, 5 miles to 1 inch.* With a plan of the City of Canton. *Scale, 2½ inches to 1 mile; size, 18 inches by 23.* In a case.



Plan of the CITY and SUBURBS of CANTON, compiled by the Quartermaster-General's Department, Chinese Expeditionary Force, 31st October 1857. *Scale, 1,000 feet to 1 inch; size, 27 inches by 40.* Lithographed at the Topographical Depot, War Department.

\* \* With memoranda, descriptive of Canton and Suburbs.

### *Chin-keang-foo.*

Military Sketch of the OPERATIONS against the TOWN of CHIN-KEANG-FOO on the YANG-TSE-KEANG, by a British force, under command of His Excellency Lieut.-Gen. Sir Hugh Gough, G.C.B., on the 21st July 1842. *Scale of 400 yards to 1 inch; size, 25 inches by 29.* MS.

### *Chusan.*

Military Sketch of the ATTACK on the CHINESE DEFENCES at TING-HAE, in the Island of Chusan, by a combined naval and military force on the 1st October 1841, under Lieut.-Gen. Sir Hugh Gough, K.C.B., and Rear Admiral Sir William Parker, K.C.B. Reduced from an original survey of Captain Anstruther, Madras Artillery, by the Field Engineer's Department, Eastern Expedition. *Scale, about 440 yards to 1 inch; size, 19 inches by 26.* MS.

### *Hankow.*

HANKOW. Foreign Property. Surveyed by John Gavin, C.E. Hankow, Sept. 1864. *Scale, 400 feet to 1 inch; size, 23 inches by 40.*

### *Nanking.*

Military Survey of the TOWN and part of the ADJACENT COUNTRY of NANKING, made in the month of August 1842, while negotiations were pending between Sir H. Pottinger, Bart., H.B.M. Plenipotentiary, and the Chinese Imperial Commissioners. By Lieut. J. W. Rundall, Madras Engineers. Assisted by Lieut. Johnston, Madras Engineers, and Lieut. Gordon, 32nd M. N. I. *Scale of 800 yards to 1 inch; size, 34 inches by 29.*

\* \* With a landscape view of Nanking from the heights near the Tae-ping Gate, from a sketch by Lieut. Johnston, Madras Engineers. MS.

### *Ningpo.*

Field Sketch of the ATTACK on the CHINESE POSITION on the NINGPO RIVER, by a combined naval and military force on the 10th October 1841. Under Lieut.-Gen. Sir Hugh Gough, K.C.B., and Rear Admiral Sir W. Parker, K.C.B. By Lieuts. Rundall and Johnston, Madras Engineers. *Scale, 300 yards to 1 inch; size, 17 inches by 14.* MS.

Military Sketch of the ATTACK on the CHINESE POSITION, Heights of SEGAON (near Ningpo), on the 15th March 1842, by the forces under the command of His Excellency, Lieut.-Gen. Sir Hugh Gough, G.C.B. By Lieuts. Rundall and Johnston, Madras Engineers. *No scale; size, 17 inches by 19.* MS.

Reconnoitring Survey of the COUNTRY in the VICINITY of NINGPO made under the directions of Captain Pears, Madras Engineers, Commanding Engineer with the China Expedition. By Lieuts. Rundall and Johnston, Madras Engineers, during the occupation of the town by the British troops in the winter of 1841-42. *Scale, 1,200 yards to 1 inch; size, 30 inches by 50.* MS.

Plan of the CITY of NINGPO as surveyed during its occupation in the winter of 1841-42 by a British force, under command of Lieut.-Gen. Sir H. Gough, G.C.B. By Lieuts. Rundall and Johnston, Madras Engineers. *Scale, 200 yards to 1 inch; size, 28 inches by 21.*

PEKIN and its ENVIRONS. Copied from the Survey of Colonel Ladyjenski of the Russian Army. Lithographed at Topographical Depôt, War Office, 1860. *Scale, about 3,500 feet to 1 inch; size, 24 inches by 34.*

### *Peking.*

Plan of PEKING in 1817. *Scale, about 480 yards to 1 inch.* With an insertion entitled, Canal Communication from Peking to the Gulf of Pe-Chili, on the scale of 24 miles to 1 inch. Lithographed at the Quartermaster-General's Office, Horse Guards, July 1842, and copied by the Anastatic Process, at the Ordnance Survey Office, Southampton, in 1860. *Size, 30 inches by 22.*

Map of the COUNTRY round PEKIN. Copied from the Chinese Map of Asia, 1760. Names of places translated by the Rev. W. Milne. Published at the Topographical Depôt, War Office, 1859. *Scale, about 23 miles to 1 inch; size, 27 inches by 36.*

### *Shanghai.*

Sketch of the CITY and SUBURBS of SHANGHAI, in the Province of Keangsoo. Surveyed by Lieuts. Johnston and Hitchins, Madras Engineers (1842). *Scale, 400 yards to 1 inch; size, 22 inches by 18.* MS.

Sketch of the Fortified Portion of Coast Line between WOOSUNG and PAONSHANG (leading to Shanghai), in the Yang-tse-Kiang. Signed T. T. Pears, Captain Field Engineers, Eastern Expedition. *Scale, 400 yards to 1 inch; size, 17 inches by 20.* MS.

Reconnoitring Sketch of the ROUTE taken by the Brigade under Col. Montgomerie, C.B., from WOOSUNG to SHANGHAI, on the 19th June 1842. By Lieut. Johnston, Madras Engineers. *Scale, 800 yards to 1 inch; size, 39 inches by 13.* MS.

## CHINESE COLONIAL TERRITORIES.

### *Manchuria.*

Map to accompany the NOTES on MANCHURIA, by the Rev. Alexander Williamson. Stanford, London, 1870. *Scale, 60 miles to 1 inch; size, 11 inches by 15.*

### *Tibet.*

Route Survey from BRITISH INDIA into GREAT TIBET through the Lhasa territories and along the upper course of the Brahmaputra River or Nari-chu-saupo. Made by Pundit . . . , and compiled from the original materials by Capt. F. G. Montgomerie R.E., F.R.G.S., G. T. Survey of India. Zineographed at the office of the Supt. G. T. Survey of India, Dehra Doon, December 1867. *Scale, 16 miles to 1 inch; size, 24 inches by 49.*

Upper Basins of the INDUS and SUTLEJ RIVERS with the sources of Brahmaputra and Kurnali Rivers, from route surveys made by the

Pundit explorers. Compiled from the original materials by Captain T. G. Montgomerie, R.E., F.R.G.S., G. T. Survey of India. Reduced from the original by photozincography, at the office of the Superintendent G. T. Survey of India, Dehra Doon, December 1868. *Scale, 16 miles to 1 inch; size, 20 inches by 25.*

The DINGRI MAIDAN and UPPER ARUN RIVER, &c., 1871.  
*See Eastern Nepal, page 470.*

Sheet 1 of Map illustrating the REPORT on the PUNDIT'S ROUTE through GREAT TIBET, from Ladakh to Assam, via the Tengri Nur (Lake) and Lhasa in 1874. Also Sheet 2 of the same. *Scale, 16 miles to 1 inch; size of each, 40 inches by 27. See Report of Trans-Himalayan Explorations, page 466 of this catalogue.*

Sketch Map of some parts of SOUTHERN and EASTERN THIBET as used many years ago by Catholic missionaries in those countries. French orthography. S. G. O. Calcutta, 1871. *Size, 20 inches by 25.*

Map drawn by CHOWSAM GOHAIN, of his route to ROCHMA (Roema) from the Eastern frontier of Assam, up the Brahmaputra River. 1869-70. *Size, 51 inches by 13. MS.*

### *Chinese Astronomical Maps.*

Maps of the STARS, with Titles in Seal Characters, signifying "A Chinese and European Map of the Ecliptic. Northern Hemisphere, Southern Hemisphere." The preface states that the maps were edited by Seu-Chaou-tsun, in the year 1807. *Folded in a blue cloth cover; size, 13 inches by 9½.*

## XI. ASIATIC RUSSIA.

### *General Map.*

KAPTA \* \* \* Map of ASIATIC RUSSIA, constructed from the newest materials, &c. St. Petersburg, 1865. In Russian. *Scale, 200 Russian versts or 132 English miles to 1 inch; on 2 sheets; size, 26 inches by 44.*

### *The Caucasus.*

KAPTA \* \* \* Map of the CAUCASIAN REGION, constructed by the Caucasian Division of the Topographical Establishment. Tiflis, 1869. In Russian. *Scale, 1:420,000=10 Russian versts or 6½ English miles to 1 inch; on 22 sheets; size of each, 20 inches by 26. With a small index map.*

### *Orenburg.*

ГЕНЕРАЛЬНАЯ КАРТА \* \* \* General Map of ORENBURG and parts of the Khivan and Bucharian territories, on the scale of 1:2,100,000. (In Russian.) *On 2 sheets; size, 48 inches by 33.*

### *Kirgis Steppes.*

KAPTA \* \* \* Map of the Principalities of the KIRGIS KASAKS and TURKESTAN, by A. R. Levsehine. 1831. In Russian. *Scale, 70 miles to 1 inch; size, 21 inches by 29.*

Map of the KIRGHIZ STEPPE (regions of the Orenburg and Siberian Kirghizes and of Semipalatinsk and Turkestan) and of the countries conterminous with the Central Asiatic Possessions. Copied from a Russian map published at St. Petersburg, and lithographed at the topographical depôt of the War Office. London, 1866. *Scale, 1:4,200,000, or about 70 miles to 1 inch.*

### *Caspian Sea.*

ГЕНЕРАЛЬНАЯ МЕРКАТОРСКАЯ КАРТА КАСПИЙСКАГО МОРЯ. A general Mercator's chart of the Caspian Sea, &c. 1826. In Russian. *Size, 36 inches by 24.*

The CASPIAN SEA, KHIVAH, and the SURROUNDING COUNTRY. Compiled from the best sources by John Arrowsmith. 1841. *Scale, 46 miles to 1 inch; size, 26 inches by 22.*

### *Aral Sea.*

Route Map from ORSK to KHIVA, shewing the outline of the east coast of the Aral by Muravin in 1741, and by Butakoff in 1849. *Scale, 90 miles to 1 inch; size, 12 inches by 8.*

КАРТА АРАЛЬСКАГО МОРЯ. Map of the SEA of ARAL, surveyed and drawn by Capt. Lieut. Butakoff, &c., in 1848-49, and published by the Hydrographical Department of the Ministry of Marine, 1850. In Russian. *Size, 32 inches by 26.*

### *Western Siberia.*

ГЕНЕРАЛЬНАЯ \* \* \* General Map of WESTERN SIBERIA and the KIRGIS STEPPE. Drawn by the Siberian Staff Corps, and engraved at the Topographical Depôt. 1848. A new edition revised in 1868. In Russian. *Scale, 35 miles to 1 inch; on 4 sheets; size, 52 inches by 38.*

СПЕЦИАЛЬНАЯ \* \* \* Special Map of WESTERN SIBERIA. No date. In Russian. *Scale, 9 Russian versts or 6 English miles to 1 inch; on 128 sheets; size of each, 19 inches by 23.* With an index map.

ТОПОГРАФИЧЕСКАЯ \* \* \* Topographical Map of the ALTAI DISTRICT, by F. Meyen. 1864. Lithographed by A. Ilyin, 1868. In Russian. *Scale, 1:420,000, or about 6½ miles to 1 inch; on 22 sheets in a cover with an Index map; size, 19 inches by 24.*

### *Russian Turkistan.*

КАРТА \* \* \* Map of the Governor-Generalship of TURKISTAN. 1869. In Russian. *Scale, 50 Russian versts or 33 English miles to 1 inch; size, 30 inches by 46.*

### *The Amur.*

КАРТА \* \* \* Map of the Region of the AMUR, with the upper parts of the Lena and Yenisei, and the Island of Saghalin. Constructed from the observation of the Siberian expedition of the Imperial Russian Geographical Society, by Ludwig Schwarz, astronomer to the expedition. St. Petersburg, 1861. In Russian. *Scale, 1:1,680,000, or about 27 miles to 1 inch; on 7 sheets in a cover; size of each, 25 inches by 31.*

Another edition, dated 1864.

An Atlas of the AMUR RIVER from the confluence of the Shilka to its mouth. With soundings. In Russian. *Scale, 2 Russian versts or  $1\frac{1}{2}$  English miles to 1 inch; on 46 sheets with an Index Map dated 1859; size, folded, 19 inches by 13.*

## XII. SOUTH-EASTERN ASIA.

### *General Maps.*

Map of EASTERN ASIA, comprising China, parts of Tibet and Mongolia, Bootan, Assam, Burma, and Eastern Bengal; together with Anam, Cambodia, Siam, Laos, the Malay Peninsula, and the Indian Archipelago. By J. B. Tassin. 1840. *Scale, about 104 miles to 1 inch; in 2 sheets; size of each, 22 inches by 30.*

Sketch Map Routes from CEYLON East to CHINA by Moulmain, Zimay and Esmok, and Isthmus of Krau. To accompany report to Government from the commissioner of the Tennesseim and Martaban Provinces. Ex. Engineer's office, Moulmain, 23rd September 1861. *Scale, 80 miles to 1 inch; on tracing cloth; size, 30 inches by 36. MS.*

### *Trade Route Surveys.*

The EASTERN PENINSULA and the CHINESE EMPIRE, showing Captain Sprye's proposed route for British and British-Indian commerce, and for the extension of the land telegraph to western and inland China, eastern Tibet, and Tartary from the port of Rangoon. *Scale, 330 miles to 1 inch; size, 13 inches by 17.*

Sketch Map of the ROUTES travelled over by Mr. James Barker from Ummerapoora to the Shan States, and on the banks of the Salween. Compiled from Yule's and Pemberton's maps, and from notes and observations made by Mr. J. Barker during his sojourn in that country from July 1856 to July 1857. By W. Montgomerie, Surveyor P. A. *Scale, 8 miles to 1 inch; on tracing cloth; size, 37 inches by 26. MS.*

Sketch Map of the ROUTE of LIEUTENANTS SCONCE and WATSON (from Shooogheen to Mandalay) during the Salween expedition, from December 1863 to April 1864. *Scale, about  $4\frac{1}{2}$  miles to 1 inch; size, 65 inches by 25.*

Sketch Survey (to accompany Report) of the ROUTE passed over by the SALWEEN EXPEDITION, 1864-65. Surveyed and mapped by Francis Fedden, A.R.S.M., geological survey of India. Rangoon, August 1865. *Scale, 8 miles to 1 inch; size, 37 inches by 29.*

See also China route surveys, British Burmah, and the Map of Central British Burmah.

TRADE ROUTES from BHAMO to YUNAN, through the Chinese Shan States. Surveyed and compiled by direction of Major-General Albert Fytche, C.S.I., F.R.G.S., F.E.S., Chief Commissioner of British Burma. Signed, Robert Gordon, C.E., Engineer, Bhamo Route Survey. No date. *Scale, 8 miles to 1 inch; size, 15 inches by 22.*

## XIII. BURMA.

Geographical Sketch exhibiting Lines of Military Approach on UMMERAPOORA, the Capital of the BURMESE EMPIRE, from the S.W. frontier of Munepoor, and from the coast of Arraeon. The former is laid down

from the surveys of Lieut. Pemberton in Munnepoor, and the latter is the protraction of the march of the 18th Regt. Madras, N. I., across the mountains from Pekang-ye on the Irrawadie to Aeng in Arracan. Signed, J. A. Hodgson, Surveyor-General of India. Received, November 1828. *Scale, 16 miles to 1 inch; size, 29 inches by 21.* MS.

**Index to the GEOGRAPHY of the EMPIRE of AVA.** (By Dr. F. Buchanan.) This is a Gazetteer of Burmah before the British-conquests. The names are transliterated from the Burmese, together with the European corrupted form, and they are also written in the oriental character. Numerical references are made to maps and the following journal. Quarto, half-bound. MS.

**Copy of a JOURNAL of PROGRESS and OBSERVATIONS** during the continuance of the Deputation from Bengal to Ava in 1795, in the Dominions of the Barma Monarch. By Dr. F. Buchanan. (No. 35.) Quarto. bound. MS.

\* \* See also Maps of British Burmah.

#### XIV. SIAM.

##### *General Maps.*

To the Honourable William Edward Phillips, Governor of Prince of Wales Island, and its Dependences, this

**Map of SIAM, CAMBOJA, and LAOS.** Compiled from a large mass of original native materials, and intended as an accompaniment to a purposed geographical memoir on these countries, is inscribed by his faithful and obedient servant James Low, Lieut. Madras, Native Infantry. Dated, 1st March 1824. *Scale, about  $\frac{7}{12}$  geographical mile to 1 inch; size, 37 inches by 28.* MS.

**A Map of SIAM, NORTH LAOS, MARTABAN, TENAS-SERIM, and part of the MALAYAN PENINSULA.** Compiled by Capt. James Low, of the Madras Army. Dated, Prince of Wales Island, 1st January 1830. *Scale,  $\frac{1}{2}$  geographical mile to 1 inch; size, 47 inches by 30.* MS.

\* \* With a MS. pamphlet containing a lists of positions and places in Capt. James Low's Map of Siam, &c.

**Carte du ROYAUME de SIAM, dressée sous la direction de Monseigneur Pallegoix, Evêque de Siam, d'après ses itinéraires et divers documents; par Charle, Geographe, 1854, Paris.** *Echelle de milles Anglais, 80 to 1 inch; size, 29 inches by 21.*

\* \* With two insertions, one entitled, Plan de Bangkok, and the other Environs de Bangkok on a large scale.

##### *Route Maps.*

**Route from the THREE PAGODAS to KADEING-TSEING,** the 1st Siamese chokey on the road to Bankok. By Lieut. Leslie, 13th M.N.I. 1827. *Scale, 1 mile to 1 inch; size, 26 inches by 18.* MS.

**A Sketch of the COUNTRY between the THREE PAGODAS and CAMBOOREE,** on the banks of the Kadeing-tseing River. By Lieut. Leslie, 13th M. N. I. *Scale, 4 miles to 1 inch; size, 33 inches by 16.* MS.

##### *Isthmus of Kraw.*

**ISTHMUS of KRAW.** Correspondence including the Report of Captains Fraser and Forlong. With two maps. Printed by order of the House of Commons, 16th March 1863. No. 108. Fcap.

Part of the GULF of SIAM and the EASTERN COAST of the BAY of BENGAL, to illustrate a paper on the Isthmus of Kraa. By Sir Robert H. Schomburgh, Ph. D., &c., H.B.M. Consul to the Kingdom of Siam, 1858. No. 1. *Scale, 14 miles to 1 inch; size, 25 inches by 24.* MS.

Sketch of a ROUTE across the ISTHMUS of KRAA, and some of the tin localities near the southern boundary of the Tenasserim Provinces. By Captain Tremenhare, Executive Engineer, Tenasserim Provinces. 1843. *Scale, 4 miles to 1 inch; size, 19 inches by 23.* MS.

## XV. COCHIN CHINA.

Mémoire sur la Côte et les Ports de COCHIN-CHINE, pour servir d'Instruction aux cartes et plans des Mers de Chine. Par J. M. Dayot, Mandarin à la cour de Cochin-chine. 1796. Quarto, 68 pages, half-bound. MS.

\* \* Dedicated "to the President and Members of the Select Committee for all affairs of the Honourable East India Company in China," &c.

## XVI. STRAITS SETTLEMENTS.

### *Malay Peninsula.*

A Map of the SEA COAST from PANJAING ISLAND, 8° N. lat. to MALACCA. With the coastal limits of the Kingdoms of Quedah, Pera, and Salengore. *No title, date, or scale; size, 52 inches by 40.* MS.

Map showing the POSITION of the JAKUNS in the MERIDIONAL PART of the MALAYAN PENINSULA. By the Rev. P. Favre, Apostolic Missionary. Malacca, 15th March 1848. *Scale, about 7 miles to 1 inch; size, 24 inches by 38.* MS.

### *Prince of Wales Island.*

Plan of PRINCE OF WALES ISLAND and the Territories ceded thereto on the opposite shore, on a scale of 4,000 feet to 1 inch, as surveyed and drawn under the directions and orders of the Hon. William Edward Phillips, Governor, &c., &c. in 1820 by His most obedient humble servant, W. Fletcher, Surveyor. *Scale,  $\frac{3}{4}$  mile to 1 inch; size, 40 inches by 30.* MS.

Plan of part of POOLO PENANG or PRINCE OF WALES ISLAND, with its harbours. No date. *Scale, 1,000 yards to 1 inch; size, 48 inches by 24.* MS.

Map of PRINCE OF WALES ISLAND or Pulo Penang and Province Wellesley, surveyed under the auspices of the Hon. Colonel W. J. Butterworth, C.B., Governor, &c., including a careful survey of the South Channel made in 1853. By J. Moniot, Government Surveyor. With nautical directions. *Scale, 1 mile to 1 inch; size, 35 inches by 30.*

### *George Town, P. W. I.*

PRINCE OF WALES ISLAND. Lines of Retrenchment proposed as an economical plan for covering the rear or land side of George Town, from sea to sea, to protect it against surprise or the attack of a predatory squadron, *vide* letters of the 20th and 29th December 1806. *Scale, 50 yards to 1 inch; size, 29 inches by 38.* MS.

PRINCE OF WALES ISLAND. Sketch of the European Barracks for 1,000 troops erected on emergency, Sept. 1806. *Scale, 60 feet to 1 inch; size, 24 inches by 19.* MS.

A Plan of GEORGE TOWN, PRINCE OF WALES ISLAND, as surveyed in the year 1807, by Jerh. McCarthy. Capt. Robertson, Superintending Engineer and Surveyor. With names of streets, owners of property, &c. *Scale, 32 inches to 1 mile; size, 31 inches by 52.* MS.

Another copy, with trees, &c., but no names.

A Plan of GEORGE TOWN, PRINCE OF WALES ISLAND, with an accurate survey of the ground granted by Government to individuals in the district of Tulloo Air Rajah as far as Pine Apple Lane. Surveyed agreeably to the orders of the Honorable the Governor and Council in the years 1807 and 1808. By their most obedient humble servant, Jerh. McCarthy. *Scale, 16 miles to 1 inch; size, 30 inches by 52.* MS.

Plan of GEORGE TOWN, PRINCE OF WALES ISLAND, with Pit Street prolonged to the Prangin River, and widened to 120 feet. By Jerh. McCarthy, Surveyor to the Government. 24th Nov. 1814. *Scale, 16 inches to 1 mile; size, 24 inches by 19.* MS.

### *Singapore.*

Map of the TOWN and HARBOUR of SINGAPORE. No title. Received 18th June 1825. *Scale, 400 yards to 1 inch; size, 30 inches by 29.* MS.

Plan of the ISLAND of SINGAPORE, including the new British Settlement and adjacent Islands. The Settlement Environs, New Harbour, and adjacent Islands surveyed by Lieut.-Colonel Farquhar. The Circuit of the Island, Old Straits, and Islands by Capt. Franklin, assisted by J. F. Bernard, Esq. Soundings from the Charts of Capt. Ross and Mr. Horsburgh. Received 18th June 1825. *Scale, 1 mile to 1 inch; size, 37 inches by 50.* MS.

Plan of SINGAPORE and the ENVIRONS, showing the Disposition of the Works for its defence. Inspector-General's Office, Fort Cornwallis, 4th September 1827. *Scale, 100 yards to 1 inch; size, 35 inches by 48.* MS.

Plan of SINGAPORE TOWN and adjoining Districts from actual Survey, by John Turnbull Thomson, Government Surveyor, Singapore. John Arrowsmith, London, 1846. *Scale,  $\frac{1}{4}$  mile to 1 inch; size, 27 inches by 34.*

SINGAPORE. NEW HARBOUR. By J. T. Thomson, Government Surveyor. 1849. Corrections from Mr. Richards, Master, R.N. 1859. *Scale, 1,000 feet to 1 inch; size, 13 inches by 20.* Engraved by J. and C. Walker.

## XVII. ISLANDS IN THE INDIAN OCEAN.

### *General Chart.*

Chart of the INDIAN and PACIFIC OCEAN, extending from Calcutta to China, Australia, and New Zealand. Compiled chiefly from Surveys of the Officers of the Hon. East India Company and of the Royal Navy, by John Walker, Geographer to the East India Company. Published by W. H. Allen and Co., 1849. *Scale, 114 nautical miles to 1 inch on the equator; size, 49 inches by 52.*



*Ceylon.*

(CEYLON.) Tab. XII. Asiæ, Taprobanam repræsentans. Medius meridianus 125, ad quem reliqui inelinantur ratione æqui-noctialis et 9 septentrionalis. No date. *Size, 18 inches by 21.*

FORT OSTENDBURG (Trincomalee?) A large drawing in watercolours, without title, scale, or date. *Size, 30 inches by 80.* MS.

*Madagascar.*

Memoir and notice explanatory of a CHART of MADAGASCAR and the NORTH-EASTERN ARCHIPELAGO of MAURITIUS; drawn up according to the latest observations, under the auspices and government of his Excellency Robert Townsend Farquhar, Governor, &c. of the Isle of France and dependencies, &c. By Lislet Geoffroy, &c. London, 1819. (With the Chart.) 4to. bound.

*Seychelles Islands.*

Plan of the TOWN of MAHÉ, Island of Mahé, Seychelles (Indian Ocean). Drawn and surveyed by Lieut. H. Cole, Royal Staff Corps. No date. *Scale, 300 feet to 1 inch; size, 17 inches by 22.* MS.

## XVIII. ASIATIC ARCHIPELAGO.

*General Maps.*

Algemeene Kaart van NEDERLANDSCH OOSTINDIE, met hoogstdezelfs toestemming opgedragen aan Zijne Majesteit Den Koning Der Nederlanden, volgens echte bescheiden, grootendeels in handschrift berustende bij de Archieven van het Koloniaal Bestuur te's Gravenhage en te Batavia, mitsgaders uit medeelingen van Geleerden, Beambten, Zee- en Landofficieren in Nederlandsch Indie, te zamengesteld door G. F. Baron von Derfelden van Hinderstein, Kamerheer van Z. M. Lid van de Ridderschap en van de Staten van Utrecht, Ridder der Ordre van den Nederlandschen Leeuw, enz.: Uitgegeven op Last Des Konings, Onder het bestuur van Zijne Exlie. den Hre. J. C. Band, Minister van Kolonien, Groot-Kruis der Orde van den Nederlandschen Leeuw, enz., enz., en het opzigt van den Luitenant ter Zee 1e. klasse Jhr. G. A. Tindal, Lid der Commissie tot het vinden der lengte op Zee. Ridder van het Legioen van Eer en van de Zeizerlijke Russische Orde van St. Anna. 1842. *In 8 sheets; size of each, 40 inches by 30, with another sheet forming An Index Map to the foregoing, entitled—*

Verzamelsblad der Kaart van NEDERLANDSCH OOSTINDIE, in acht bladen, door G. F. Bon. von Derfelden van Hinderstein. *One set complete and half-bound in an Atlas; and another imperfect in sheets, Nos. 1 and 3 being wanted.*

Mémoire analytique pour servir d'explication à la carte générale des possessions NEERLANDAISES dans LE GRAND ARCHIPEL INDIEN, par Le Baron G. F. von Derfelden, de Hinderstein, &c., &c. 1841. 4to. printed cover.

Algemene Land- en Zee-Kaart van de NEDELANDSCHE OVER-ZEESCHIE BEZITTINGEN, met het Koningbruk der Nederlanden in Europa. Op de Schaal van 1 : 3,000,000. Opgedragen aan den Heer Generaal Majoor J. W. Walther, Gouverneur der Koninklijke Akademie voor de Zee- en Landmagt. Naar de beste en nieuwste bronnen onder deskundig toezigt zamengesteld en geteekend, door A. J. Bogaerts, Lithograaf, werkzaam aan vooruoemde Akademie. Breda, 1857. *Size, 42 inches by 77.*

*Banka.*

Map of the ISLAND of BANKA compiled from remarks and materials collected during a journey through the island. Annexed to a Report on the same and addressed to the Honourable Thomas Stamford Raffles, &c. By Thomas Horsfield. (1820.) *Scale, 6 miles to 1 inch ; size, 20 inches by 26.*

Mineralogical sketch of the ISLAND of BANKA, uniform with the foregoing map.

Kaart van het EILAND-BANKA. 1847. *Scale, 10 miles to 1 inch ; size, 14 inches by 29.*

*Sumatra.*

Map of the ISLAND of SUMATRA, constructed chiefly from Surveys taken by order of the late Sir Thomas Stamford Raffles. 1829. *Scale, about 26 miles to 1 inch.*

\* \* With an insertion entitled " Sketch of the Island of Singapore." *Scale of 4 miles to 1 inch ; size, 37 inches by 33.*

Report of a Journey to the Interior of the ISLAND of SUMATRA. By Thos. Barnes. 1818. Feap. folio, 83 pages ; with a map of the route from Moco-Moco to Pengkalan Jambi. MS. The first part has been published in the Malayan Miscellanies, Vol. 2.

*Java, General Map.*

Plan of the N. E. POINT of JAVA, designed to show the principal Mountains, Volcanoes, Rivers, and most remarkable features of that part of the Island. May 16, 1872. *Scale, 6 miles to 1 inch ; size, 19 inches by 23.* MS.

Profil over het EILAND JAVA van een aantal Bergen, welke voor de zeevaart van belang zijn ; door den Luitenant ter Zee de 2e Klasse Jonkheer P. Melvill van Carnbee. Te Amsterdam, bij de wed. Gerard Hulst van Keulen. 1842. *Size, 24 inches by 30.*

Kaart von het EILAND JAVA. Uitgegeven op last van en opgedragen aan Zijne Exeellentie den Minister van Kolonien Chs. F. Pahud, Ridder Grootkruis der Orde van den Nederlandsehen Leeuw, der Leopold, sorde van Belgie en van den Rooden Adelaar van Pruissen ; door Dr. F. Junghuhn, Ridder van de Orde van den Nederlandschen Leeuw en van den Rooden Adelaar 3e Kle. van Pruissen. Te zamengesteld uit de waarnemingen en optemingen door hem gedaan gedurende Zijne onderzoekings reizen op dat eiland in de jaren 1835 tot 1848. Up steen gebragt te Breda bij A. J. Bogaerts. 1855. *Schaal van 1 : 350,000. In 2 sheets ; size of each, 33 inches by 64.*

KAART van het EILAND JAVA, te zamengesteld uit officiële bronnen, door C. W. M. Van de Velde, Lieutenant ter zee, &c. 1845. *Scale, 11 miles to 1 inch ; size, 25 inches by 64.*

KAART van JAVA en MADURA, op de schaal van 1 : 1,000,000 door Le Clercq, op steen gebragt door A. J. Bogaerts. Breda, 1850. *Scale, 15.7 miles to 1 inch ; size, 17 inches by 45.*

*Java, Residency Maps.*

The Island of Java, under the Governor-General of the Dutch East Indies, is divided into twenty-two Residencies, of which separate maps are being published by the Dutch

Government, by whom the following have been presented to the India Office. This series is very handsomely drawn and printed in colours, and beautifully illustrates the extraordinary volcanic structure of the country.

### 1. *Bagelen Residency.*

Topographische Kaart der Residentie BAGELEN opgenomen ten gevolge Gouvernements besluit dd., 26 Mei 1857, Ner. 4. Onder de leiding van den Kolonel Directeur der Genie W. C. von Schierbrand, door den Kapitein R. F. de Seijff, en 10 Teekenaar der Genie K. Wilsen, onder medehulp van Strauss, enz. Geteekend op de Schaal van 1:100,000 door Schirmer, P. Frühling, Ostreig. *In 4 sheets; size of each, 24 inches by 29. In a cover.*

### 2. *Banjoemaas Residency.*

Topographische Kaart van de Residentie BANJOEMAAS opgenomen en Zamengesteld gedurende 1857, '58, '59, en '60, ten gevolge gouvernements besluit dd. 21 Februarij 1857, No. 23. Onder leiding van den Kolonel Directeur der Genie W. C. von Schierbrand, door den Kapitein der infanterie, W. Beijerinck onder medehulp van de 1e Luitenants, Mickler, enz. enz. Geteekend op de Schaal van 1:100,000 door Bertrand, Schirmer, en Frühling. *In 3 sheets; size of each, 38 inches by 25. In a cover.*

### 3. *Djokjakarta Residency.*

Topographische Kaart der Residentie DJOKJAKARTA opgenomen ingevolge gouvernements besluit dd. 9 Julij 1861, No. 6. Door de opnemingsbrigade, te Zamengesteld uit den mililair ambtenaar der 1ste klasse K. F. Wilsen (Chef) en de opnemers, enz. op de Schaal van 1:100,000 door bagetto en Ph. Frühling. In steendruk gebragt aan het Topographisch Bureau te 'S Gravenhage. *In 4 sheets; size of each, 23 inches by 29. In a cover.*

### 4. *Kadoe Residency.*

Topographische Kaart der Residentie KADOE opgenomen, ten gevolge gouvernements besluit van 1 Januarij 1860, No. 24. Onder de leiding van den Kolonel Directeur der Genie, W. C. von Schierbrand. Geteekend op de Schaal van 1:100,000 door den Chef der opname F. K. Wilsen en J. Frühling en L. Donadien. *In 2 sheets; size of each, 23 inches by 29. In a cover.*

### 5. *Pekalongan Residency.*

Topographische Kaart der Residentie PEKALONGAN opgenomen ingevolge gouvernements besluit dd. 27 Mei 1863, No. 19. Door de opnemingsbrigade te Zamengesteld uit von Ballusck 1e Lt. Chef, Gewin, Donnadien, Dormann, Raselike, Liedel, von Oertel, Vietor, von Pfeil, Boretius, Listard, von Dobsehütz, Oehlschläger, von Moltke, overgebragt en geteekend op de Schaal van 1:100,000. Door G. F. Bajetto. In streendruk gebragt aan de Topographische Inrigting te 'S Gravenhage. *Size, 24 inches by 29. In a cover.*

### 6. *Semarang Residency.*

Topographische Kaart der Residentie SEMARANG opgenomen ten gevolge gouvernements besluit, dds. 17 Augustus 1860, No. 3, onder de leiding van den Generaal Majoor Directeur der Genie W. C. von Schierbrand door den Majoor W. Beijerinck gedurende de jaren 1861, '62, '63, en '64. Geteekend op het topographisch Bureau te Batavia op de Schaal van 1:100,000. In Steendruk gebragt aan de Topographische Inrigting te 'S Gravenhage. *On 6 sheets; size of each, 23 inches by 29. In a cover.*

7. *Soerakarta Residency.*

Topographische Kaart der Residentie SOERAKARTA opgenomen ingevolge gouvernements besluit dd. 9 Juni 1861, No. 6, en 13 November 1862, No. 26, door de Opnemings Brigade zamengesteld uit Beijerinck, Majr. Chef, en later Oekerse 1e Luit. Chef, met medewerking van Bicker, 1e Luit., Schmulling, von Balluseck, Meijer, 2e Luits. en de opnemers, enz., enz., gedurende de jaren 1861, '62, '63, '64, '65, en 1866. Geteekend op het Topographisch Bureau, enz., op de Schaal van 1 : 100,000. In steendruk gebragt aan de Topographische Inrigting te 'S Gravenhage. *On 6 sheets ; size of each, 23 inches by 29. In a cover.*

*Java Memoirs.*

Fragment of a JOURNAL, beginning March 1st 1811, kept on board the Ship "Mary," carrying Lord Minto's body-guard from Calcutta to Batavia, on the EXPEDITION to JAVA, commanded by Sir Samuel Auchmuty, and Commodore Broughton. An Account of the Capture of Batavia, of Balls and Dinners given to Lord Minto and Mr. Raffles Journal of a Voyage from Calcutta to England, Feb. 6 to July 20, 1812.

Also a JOURNAL of a March, from DONGUR to GWALIOR, &c. (By Capt. George Everest.) Fcap., bound. MS.

JAVA SURVEY, by Captain Everest. Routes in Java, by G. P. Baker. 1815. Fscap., boards. MS.

Military and Political Memoir of a SURVEY in JAVA in 1815-16, by Captain G. P. Baker ; with an Appendix of Notes and seven Tables of Routes and Distances. Instructions dated 20th May 1815. Fscap., stiff cover. MS.

Memoir of a SURVEY in the NATIVE PRINCES' DOMINIONS of JAVA. 1815-16. By Captain G. P. Baker. Fcap., stiff cover. MS.

*Strait of Allass.*

A View of the Entrance of the STRAITS of ALLASS and PEAK of LOMBOCK, &c. as seen on board the Honourable East India Company's ship "Princess Amelia," Capt. Balston, on the 27th day of November 1816. Water-colour drawing. *Size, 15 inches by 39.*

*Borneo.*

To the Subscribers to the Borneo Church Mission Institution this

Map of BORNEO, constructed principally from that of Baron Melvill de Carnbee and the unpublished Admiralty Surveys, is respectfully inscribed by {Augustus Peterman, F.R.G.S., &c., &c. March 1st, 1851. *Scale, about 34½ nautical miles to 1 inch.*

\* \* With three insertions, entitled (1) Outline Sketch of the Indian Archipelago ; (2) Province of Sarawak ; (3) Labuan Island. *Size, 30 inches by 22.*

Papers relating to BORNEO, and the proceedings of James Brooke, Esq., at Sarawak. 1841, '42, '43, '44. Fcp., half-bound. MS.

## MAPS IN ORIENTAL LANGUAGES.

Arabic.  
Bengali.  
Canarese.  
Gujarati.  
Hindi.  
Hindustani or Urdu.

Hindustani and Hindi.  
Marathi.  
Sanserit.  
Tamil.  
Telegu.  
Uriya.

### *Arabic.*

An Arabic Map of the whole of EUROPE, ASIA MINOR, and NORTH AFRICA. By Francis Rafflesberger, Court Geographer. Vienna, 1854. Written and translated by Mahommed Hassan, the Egyptian. *Size, 7 feet by 7 feet. Folded in a large cloth case; size, 15 inches by 23.*

### *Bengali.*

The BENGAL ATLAS, a series of original and authentic maps of most of the district, included in the Lieutenant Governorship of Bengal. By Rájendralála Mitra. 1873. Twenty-three maps in Bengali. Folio, half bound.

Improved BENGALI ATLAS. Lithographed by Bose and Palit. Ten Maps, no date. Folio, in Yellow cover.

A Bengali Map of the WORLD in HEMISPHERES. (It appears to be one of the series published by the Calcutta School Book and Vernacular Literature Society, but there is no imprint on the map.) No date. *On 8 sheets; size, 50 inches by 76.*

A Bengali Map of ASIA. Published by the Calcutta School Book and Vernacular Literature Society, Hoogly Normal School, 1861-68. *On 6 sheets; size, 54 inches by 64.*

A Bengali Map of NORTH and SOUTH AMERICA. Published by the Calcutta School Book and Vernacular Literature Society, Hoogly Normal School, 1866. *On 6 sheets; size, 54 inches by 64.*

ভারতবর্ষ. To the Most Noble the Marquis of Hastings, K.G., late Governor-General of India. This Map of India, now for the first time published in the Bengalee language, is inscribed by \* \* \* The Serampore Missionaries, Serampore College, 1824. Drawn and engraved by J. Walker. London, 1825. *Size, 38 inches by 26; mounted in a case.*

BHARATA VARSHA MANACHITRA. A Bengali Map of the Sunderbunds and Twenty-four purgunnahs, with parts of Nuddea and Jessore, &c. By Captain James Prinsep, Engineers. Lithographed by Tassin, Calcutta. Received in 1850. *On 4 sheets; size, 30 inches by 36.*

### *Canarese.*

Map of the WORLD in CANARESE. Prepared for the Mysore Educational Department at the Mysore Government Press, Bangalore, 1869. In Hemispheres. *Size, 40 inches by 62.*

### *Gujerati.*

A Gujarati Map of GUJERAT. *Scale, 10 miles to 1 inch; size, 33 inches by 40.*

Also, a later edition, revised.

A Gujarati Map of AHMEDABAD COLLECTORATE. *Scale, 3 miles to 1 inch; size, 52 inches by 46.*

A Gujarati Map of BROACH COLLECTORATE. *Scale, 3 miles to 1 inch; size, 23 inches by 18.*

A Gujarati Map of the KAIRA COLLECTORATE. *Scale, 3 miles to 1 inch; size, 24 inches by 20.*

A Gujarati Map of the SURAT COLLECTORATE. *Scale, 3 miles to 1 inch; size, 28 inches by 21.*

\* \* These Gujarati Maps were issued by the Bombay Educational Society, 1856.

### *Hindi.*

HIND wá HINDUSTHÁN KÁ NAKSHÁ. A Hindi Map of INDIA. Published by J. B. Tassin, Calcutta. (1840 ?) *Scale, 40 miles to 1 inch; size, 58 inches by 50.*

A Hindi Map of KUMAON and GURHWAL. Printed at the Government Press, N.W.P., Allahabad. 1869. *Size, 33 inches by 33.*

A Hindi Map of FARRUKHABAD. Government Press, Allahabad. 1870. *Size, 34 inches by 40.*

A Hindi Map of TAHSIL KASGUNJE, Zillah Etah, N.W.P. 1869. Government Press, Allahabad. *Size, 27 inches by 32.*

A Hindi Map of the PROVINCE of AJMERE, Rajpootana. Printed at the Government Press, Allahabad, North-West Provinces. *Scale, 4 miles to 1 inch; size, 34 inches by 33.*

A Hindi Map of the CENTRAL PROVINCES. Bombay Education Society's Press. No date. *Scale, 16 miles to 1 inch; size, 42 inches by 51.*

A Hindi Map of the EASTERN AND WESTERN HEMI-SPHERES. Secundra Orphan Press. No date. *Size, 13 inches by 20.*

A series of HÍNDI DISTRICT MAPS of the following districts in the North-west Provinces :—

Agra, Allyghur, Bareilly, Etawah, Muthra, Mynpooree, Pilleebheet, and Shah-juhanpoor. 8 sheets; *size of each, about 23 inches by 20.*

A Hindi Map of the NORTH-WEST PROVINCES and OUDE, with Tables of Distances. *Size, 12 inches by 19.*

A Hindi Map of KAMAUN and GARHWAL. 1875. Printed at the Government Press, Allahabad.

### *Hindustani or Urdu.*

A Hindustani Map of INDIA. Printed by Nawal Kishur at Lucknow, for the Normal Schools of Oude. 1868. *Scale, 45 miles to 1 inch; size, 49 inches by 42.*

A Hindustani Map of INDIA. Prepared by Bhumaya Saenna, assisted by Junardhun Wassudeo of Bombay, P. W. Department. Lithographed at the Educational Society's Press, Byculla, Bombay. 1869. *Size, 46 inches by 56.*

A Hindustani Map of INDIA. No imprint or date. *Size, 43 inches by 50.* (From the Punjab Government, 1873.)

A Hindustani Map of ASIA. Printed by Nawal Kishur at Lucknow, for the Normal Schools of Oude. 1868. *Size, 42 inches by 49.*

A Hindustani Map of the PUNJAB. No imprint or date. *Scale, 16 miles to 1 inch ; size, 35 inches by 36.*

A Hindustani Map of the PUNJAB. No imprint or date. *Size, 42 inches by 50.* (From the Punjab Government, 1873.)

A series of HINDUSTANI DISTRICT MAPS of the following districts in the North-West Provinces :—

Agra, Allyghur, Bareilly with Pilleebheet and the Terai, Etawah, Muthra, Mynpooree, Shahjahanpoor. 7 sheets ; *size of each, about 24 inches by 20.*

A Hindustani Map of the NORTH-WEST PROVINCES and OUDE, with Tables of Distances. *Size, 12 inches by 19.*

### *Hindustani (or Urdu) and Hindi.*

A bi-lingual Map of the EASTERN HEMISPHERE in the Hindustani and Hindi languages. Government Press, Allahabad. 1869. *Size, 45 inches by 49.*

A bi-lingual Map of ASIA in the Hindustani and Hindi languages. Printed at the Government Press, Allahabad, N.-W. Provinces. 1872. *Size, 28 inches by 36.*

A bi-lingual Map of ASIA in the Hindustani and Hindi languages. Printed by Núr-el-Absár. 1853. *Size, 29 inches by 35.*

A bi-lingual Map of JALOUN DISTRICT, N.W.P., in the Hindustani and Hindi languages. Government Press, Allahabad. 1870. *Size, 34 inches by 40.*

A bi-lingual Map of INDIA, in the Hindustani and Hindi languages. Printed at the Government Press, Allahabad. 1869. *Size, 34 inches by 29.*

Another edition, 1875.

A bi-lingual Map of INDIA in the Hindustani and Hindi languages. Printed by Núr-el-Absár. 1853. *Size, 35 inches by 29.*

A bi-lingual Map of the NORTH-WEST PROVINCES in the Hindustani and Hindi languages. 1875. Printed at the Government Press, Allahabad. *Size, 25 inches by 38.*

A bi-lingual Map of HAZOOR TUHSIL PERGUNNAH in Agra District, N. W. P., in the Hindustani and Hindi languages. *Size, 20 inches by 24.*

A bi-lingual Map of PAPUND PERGUNNAH in ETAWAH DISTRICT, N.W.P., in the Hindustani and Hindi languages. 1868. *Size, 17 inches by 22.*

A bi-lingual Map of BIGHÚNA PERGUNNAH in Etawah District, N.W.P., in the Hindustani and Hindi languages. 1868. *Size, 17 inches by 22.*

A bi-lingual Map of DATELNAGAR PERGUNNAH in Etawah District, N.W.P., in the Hindustani and Hindi languages. 1868. *Size, 17 inches by 22.*

A bi-lingual Map of DISTRICT HAMIRPUR, N.-W. Provinces, in the Hindustani and Hindi languages. Printed at the Government Press, Allahabad. 1870. *Size, 48 inches by 38.*

*Marathi.*

BETTS' EDUCATIONAL MARATHI MAPS. Constructed especially for the Education Department of the Bombay Government. A map of INDIA. 1872. *On 2 sheets; size, 35 inches by 39.*

INDIA by Balajee Narayn Fadakey, Poona. Government Office, Poona. 1873. (A Marathi Map.) *Size, 48 inches by 40.*

A Map of INDIA. By Wishnu Wasadew Godbole, Bombay, Kadam's Press. 1873. (A Marathi Map.) *Size, 48 inches by 40.*

A Marathi Map of the CENTRAL PROVINCES. Bombay Education Society's Press, Byculla. *Size, 40 inches by 52.*

A Marathi Map of the BOMBAY PRESIDENCY. Lithographed at the Bombay Education Society's Press, Byculla. 1872? *Size, 54 inches by 35.*

A Marathi Map of the SURAT COLLECTORATE. Bombay Education Society's Press, Byculla. 1873. *Size, 36 inches by 46.*

*Sanscrit.*

A Sanscrit Chart of the SOLAR SYSTEM. *Size, 42 inches by 40.* MS.

*Tamil.*

A Tamil Map of ASIA. Oriental Lithographic Press, Madras. 1872. *Size, 27 inches by 33.*

Five Tamil Maps of EUROPE, ASIA, AFRICA, NORTH AMERICA, and SOUTH AMERICA. Oriental Lithographic Press, Madras. *Size of each, 9 inches by 11.*

*Telegu.*

A Telegu Map of ASIA. Oriental Lithographic Press, Madras. 1872. *Size, 27 inches by 33.*

Five Telegu Maps of EUROPE, ASIA, AFRICA, NORTH AMERICA, and SOUTH AMERICA. Oriental Lithographic Press, Madras. *Size of each, 9 inches by 11.*

*Uriya.*

An Uriya Map of CUTTACK DIVISION, including the Districts of BALASORE, CUTTACK, and POOREE, with the CUTTACK MEHALS. 1865. *On 2 sheets; size, 31 inches by 38.*

An Uriya Map of AFRICA. 1868. *On 4 sheets; size, 50 inches by 42.*

An Uriya Map of NORTH and SOUTH AMERICA. 1866. *On 6 sheets; size, 63 inches by 50.*

\* \* \* These Uriya Maps were published by the Calcutta School Book and Vernacular Literature Society.



# A LIST OF THE GENERAL ATLASES AND MAPS OF THE WORLD, EUROPE, AFRICA, AMERICA, AND AUSTRALASIA,

IN THE COLLECTION AT THE INDIA OFFICE.

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## ATLASES AND MAPS OF THE WORLD.

Geographie du MOYEN AGE, étudiée par Joachim Lelewel. Atlas composé de cinquante planches, gravées par l'auteur. Breslau, 1851. Oblong 4to. boards.

(Contenant 145 figures et cartes générales ou spéciales de 88 géographes Arabes et Latins de différentes époques, y compris les cartes comparatives, doubles ou triples, accompagnées de 11 cartes explicatives et de deux articles géographiques.)

Mappe MONDE dressée en 1459, par Fra Mauro, Cosmographe Vénétien, par ordre d'Alphonse V. Roi de Portugal. Publiée pour la première fois de la grandeur de l'original avec toutes les Légendes. Par le Vicomte de Santarem. Paris, 1854. *Six sheets ; size of each, 36 inches by 42.*

A POLAR DRAFT of all the DISCOVERED LANDS about the NORTH POLE wherein is noted the discovery of such Englishmen that have endeavoured to find a passage to Japan, China, &c., by y<sup>e</sup> North East and North West. As also a Track of the present intended Voyage of that noble-minded Commander Capt. John Wood, upon the discovery aforesaid. By Joseph Moxon, Hydrographer to the King's Most Excellent Majesty. London, 1676. Lithographed Facsimile of a Chart in the Library of the Honourable East India Company by William Lines, East India House, 17th August 1848. *Size, 18 inches by 21.*

An ATLAS (no title), containing—Mappe Mondie dédiée à Monseigneur le Comte de Maurepas, Ministre et Secrétaire d'Etat, par le Rouge, Géographe du Roi, 1744.—Map of England, by T. Kitchin, Geographer.—Scotland, by James Dorret, Land Surveyor, 1761.—Ireland from Surveys of Sir W. Petty.—Europe, par M. de Cassini et M. Hass, 1747.—Asie, par Sr. le Rouge.—Afrique suivant les R. P. Jésuites, 1747.—Amérique, Charlevoix et Condamine, 1746.—Carte des Postes de France, 1748.—Elaborate maps of Holland, Flanders, and Italy, 1745.—Plans of battles : Rocoux, 1746 ; Fontenoy, 1745 ; Dettingen, 1743, &c., &c. In 1 vol. folio, half bound.

CARY'S NEW UNIVERSAL ATLAS, containing distinct maps of all the principal States and Kingdoms throughout the World. Sixty Maps. London, 1811. Folio, half bound.

\* Including a map of the Central States of Europe according to the Congress of Vienna and the treaties of Paris in 1814–15, published in 1817.

Map of the **WORLD**, (in hemispheres). Compiled, engraved and published by John Walker, 1st January 1818. *In 4 sheets; size of each, 21 inches by 40.*

The **WORLD**. To His Most Gracious Majesty George the 4th, this delineation of the present state of Geographical Knowledge is with permission most humbly dedicated by his Majesty's most obedient and very devoted servant James Gardner, 1825. (Hemispheres.) *In 8 sheets and title sheet; size of each, 30 inches by 27.* Also one copy in a folio vol., half bound.

**AN HISTORICAL ATLAS**: in a series of maps of the World as known at different periods; constructed upon an uniform scale, and coloured according to the political changes of each period: accompanied by a narrative of the leading events exhibited in the maps: forming together a general view of Universal History from the Creation to A.D. 1828. By Edward Quin, M.A. &c., London, 1830. Twenty-one maps. Quarto, half bound.

Plan of **STEAM OPERATIONS** for **OFFENSIVE** and **DEFENSIVE WARFARE** by John Cochrane Hoseason, Captain, Royal Navy. Transcribed from the original chart made in 1841. With polymetrical tables of distances. *Size, 18 inches by 30.* Engraved by Stanford, London.

The **WORLD** on Mercator's Projection, by James Wyld, Geographer to the Queen. London, 1843. *Size, 27 inches by 40.*

Map of the **WORLD**, on Mercator's Projection, by J. and C. Walker. London, 1848. *In 2 sheets; size of each, 33 inches by 27.*

Chart of the **WORLD**, on Mercator's Projection, constructed by Hermann Berghaus and Fr. von Stülpnagel. Gotha: Justus Perthes. 1869. This Chart displays the Oceanic Currents with their direction and mean velocity; Oceanic Ice Drifts and Weed beds; Deep Sea Soundings; lines of Steam Packet Communication; Tracks of Sailing Vessels; great International Telegraph Lines the Lines of Principal Ocean Steam Navigation Companies. Also the following supplementary insertions:—The World on a polar projection in Northern and Southern Hemispheres with lines of Steam and Telegraph Communication round the World; a general Wind Chart; a Chart of Equal Magnetic Declination; enlargements of the Isthmus of Tehuantepec, the Nicaragua Routes, the Isthmus of Panama, and Lower Egypt with the railways and Suez Canal, &c. *On 8 sheets; size of each, 20 inches by 16.*

The **ROYAL ATLAS** of **MODERN GEOGRAPHY** exhibiting in a series of entirely original and authentic maps, the present condition of geographical discovery and research in the several Countries, Empires, and States of the World. By Alexander Keith Johnson, &c., &c., 1875. Forty-eight maps. Folio, half bound.

## ATLASES OF MARINE EXPLORING EXPEDITIONS

PRESENTED TO THE HONOURABLE EAST INDIA COMPANY BY THE  
FRENCH GOVERNMENT.

### I.

**VOYAGE** autour du **MONDE**, entrepris par ordre du Roi. Exécuté sur les Corvettes de S. M. l'Uranie et la Physicienne, pendant les années 1817–18–19 et '20; par M. Louis de Freycinet, Capitaine de Vaisseau, Commandant de l'Expédition. Navigation et Hydrographie. Paris, 1826. An Atlas containing 22 plates of Maps and Plans of the Asiatic Archipelago, the Carolines, Mariannes (Ladrones), Sandwich Islands, Tierra del Fuego, and Malouines (Falkland), &c. In 1 vol. folio, boards.

## II.

**VOYAGE** autour du **MONDE**, exécuté par ordre du Roi, sur la Corvette de Sa Majesté la Coquille, pendant les années 1822–23–24, et '25, par L. T. Duperrey, Commandant de l'Expédition Hydrographie. Paris, 1827. An Atlas containing four tables of geographical positions, and 46 plates of Maps and Plans including Martin Vaz and Trinity Islets in the Atlantic, Payta and Seelura in Peru, the Pomotou or Low Archipelago, the Society Islands, New Ireland, New Guinea, New Zealand, the Carolines, St. Helena, Ascension, also part of Brazil, Valparaiso, Galapagos Islands, &c., &c. In 1 vol. folio, half bound.

## III.

**VOYAGE** de la **CORVETTE L'ASTROLABE**, exécuté pendant les années 1826–27–28–29, sous le commandement de M. Jules Dumont D'Urville, Capitaine de Vaisseau. 1833.

1. Carte Générale de l'Océanie. 2. Iles, Océan Atlantique. 3–8. Plans et Cartes de Nouvelle Hollande. 9–21. Plans et Cartes de Nouvelle Zélande. 22. Tonga Tabou. 23. L'Archipel des Iles Verte. 24 Iles Loyalty. 25. Nouvelle Calédonie. 26. Carteret, Nouvelle Irlande. 27. Nouvelle Bretagne. 28–31. Nouvelle Guinée. 32–55. Isles Vanikoro. 36–38. Isles Carolines. 39–42. Routes de l'Astrolabe en travers des Moluques, Celebes, &c. In 1 vol. folio, half bound.

## IV.

**VOYAGE** autour du **MONDE**, exécuté pendant les années 1830–31 et '32, sur la Corvette la Favorite, commandée par M. Laplace, Capitaine de Frégate. Atlas Hydrographique, publié par ordre du Roi. 1833.

1. Carte Générale. 2. L'Archipel des Seychelles. 3, 4. Cochinchine. 5. Croquis du Mouillage du Cap Boung-quioua, Tonkin. 6. Baie de Touranne, Cochinchine. 7, 8. Archipel des Natunas, Mer de Chine. 9, 10. Archipel des Auembas, Mer de Chine. 11. Plan de la Rivière Kawa Kewa, N. Zélande. In 1 vol. folio, half bound.

## V.

**VOYAGE** autour du **MONDE** sur la Frégate le Vénus commandée par M. Abel du Petit Thouars, Capitaine de Vaisseau, &c. Atlas Hydrographique. 1845.

1. Baie de Valparaiso. 2. Callao. 3. Acapulco. 4. Madelaine, Californie. 5. Monterey, Californie. 6. San Francisco, Californie. 7. Avatscha, Kamtschatka. 8. Pepeiiti, Taïti. 9. Baie des Iles, N. Zélande. 10. Floriane, Galapagos. 11. Galapagos. 12. Marquises. 13. Hormigas, Callao. 14. St. Félix et St. Ambrose, Chile. 15. Juan Fernandez et Mas-a-fuera. 16. Ile des Pâques. 17. Roches Alijas, Basse Californie. 18. Guadeloupe, Basse Californie. 19. Iles Hull, Mangria, et Rarotonga. In 1 vol. folio, half bound.

## EUROPE.

*General Maps.*

The Electric and International Telegraphic Company, incorporated 1846. Founder's Court, Lothbury, London. Map of **TELEGRAPHS** in **EUROPE**, May 1859. *Scale, about 57 miles to 1 inch ; size, 32 inches by 36.*

Map of **EUROPE**, on which have been laid down the Telegraph Lines of the Turkish Empire, showing the existing number of wires and the present state of the communications between India and the European system, from a plan by Lieut.-Col. Biddulph, R.A. Dated 15th February 1860. Lithographed at the Topographical Depot, War Office. *Size, 27 inches by 36.*

**TELEGRAPH to INDIA COMPANY, Limited.** Sketch Map reduced for Sir M. Stephenson's map of 1849-50 of railway communication between Europe and Asia, showing the lines of submarine and land cable proposed to be repaired and laid, and their relation to the already completed lines of telegraph in Europe, Asia, and Africa, which will by these means be all connected by the Telegraph to India Company (Limited). October 1861. *Size, 26 inches by 40.*

**Map of EUROPE**, compiled from the most recent surveys published for the Electric and International Telegraph Company, showing the system of telegraphs with which they are connected. London, 1863.

**Index Map to the HANDBOOK for TRAVELLERS on the CONTINENT.** John Murray, London. 1866. *Size, 20 inches by 22.*

**Map of CENTRAL EUROPE**, containing all the railways in use with the stations, also the principal roads, rivers, and mountain ranges. Engraved by B. R. Davies. 1869. *Scale, 25 miles to 1 inch ; size, 35 inches by 47.* Folded in a cover.

**A Map of the NATURAL FEATURES of FRANCE and GERMANY** between Paris and Berlin, illustrating the mountain systems and river basins according to Lavallée's Physical, Historical, and Military Geography. Stanford, London, 31st October 1870. *Scale, 25 miles to 1 inch ; size, 22 inches by 30.*

### The MEDITERRANEAN.

**The MEDITERRANEAN SEA**, from the surveys of Capt. W. H. Smyth, R.N., K.S.F. &c., under directions from The Lords Commissioners of the Admiralty between the years 1814 and 1824. Seventy-four charts of the shores and harbours, in one vol. folio, half bound.

### AUSTRIA.

**VIENNA and PRESBURG.** From the Austrian Government Map. *Scale, about  $2\frac{1}{4}$  English miles to 1 inch.* Photo-zineographed at the Ordnance Survey Office, Southampton. 1866. *Size, 28 inches by 42.*

**FELDSBERG.** From the Austrian Government Map. *Scale about  $2\frac{1}{4}$  English miles to 1 inch.* Photo-zineographed at the Ordnance Survey Office, Southampton. 1866. *Size, 28 inches by 42.*

### BELGIUM.

**Carte des PAYS BAS CATHOLIQUES.** Dressée sur un grand nombre de cartes particulières faites sur les lieux ou les limites sont exactement marquées suivant les derniers traités. Par Guillaume De l'Isle, Geographe de l'Académie Royal des Sciences. No date. *Size, 22 inches by 26.*

**SIBORNE'S ATLAS of the CAMPAIGN in 1815.** *On 11 sheets, size of each, 17 inches by 22.*

No. I. Part of Belgium. Representing the general distribution of the Anglo-allied, Prussian, and French armies at the commencement of hostilities.  
*Scale,  $5\frac{1}{2}$  miles to 1 inch.*

„ II. Field of Quatre Bras, 3 o'clock p.m.

„ III. „ „ 9 o'clock p.m.

*Scale, 3 inches to 1 mile.*

No. IV. Field of Ligny,  $\frac{1}{4}$  past 2 o'clock p.m.

„ V. „ „  $\frac{1}{2}$  past 8 o'clock p.m.  
Scale,  $2\frac{1}{2}$  inches to 1 mile.

„ VI. Field of Waterloo,  $\frac{1}{4}$  past 11 o'clock a.m.

„ VII. „ „  $\frac{1}{4}$  before 8 o'clock p.m.

„ VIII. „ „ 5 m. past 8 o'clock p.m.  
Scale,  $6\frac{1}{2}$  inches to 1 mile.

„ IX. Field of Warre, 4 o'clock p.m., 18th June.

„ X. „ „ 4 o'clock a.m., 19th June.  
Scale,  $2\frac{1}{2}$  inches to 1 mile.

„ XI. Part of France. Delineating the routes of the advance of the allied armies on Paris in 1815. Scale, 30 miles to 1 inch.

## FRANCE.

Carte topographique de la FRANCE, par les officiers de l'Etat Major.

Scale, 1 : 80,000, or about  $1\frac{1}{4}$  miles to 1 inch; on 258 sheets. The following are in the collection :—

No. 24. Mézières.

„ 36. Metz.

„ 37. Sarreguemines.

No. 38. Wissembourg.

„ 52. Commercy.

„ 54. Saverne.

Photo-zincographed at the Ordnance Survey Office, Southampton, &c.

Carte de la FRANCE à l'échelle de 1 : 320,000 (*about 5 miles to 1 inch*). Reduced from the foregoing map. On 32 sheets. The following are in the collection :—

No. 8. Lille.

„ 9. Mézières.

„ 10. Mayence.

„ 13. Paris.

„ 10. Metz.

„ 14.

No. 15. Strasbourg.

„ 18. Bourges.

„ 19. Dijon.

„ 20. Altkirch.

„ 32. Tableau d'assemblage.

Sheets 8, 13, 14, 18, are from photo-zincographs printed at the Ordnance Survey Office, Southampton. The others are issued by the Dépôt de la Guerre, Paris.

PILOTE FRANCAISE. Rédigé par M. Beauteemps Beaupré, Ingénieur Hydrographe en chef de la Marine. Publié, par ordre du roi, au Dépôt de la Marine, Paris.

Pte. I. Environs de Brest. 1822.

Pte. II., III. Les côtes occidentales de France. 1829–1832.

Pte. IV., V., VI. Les côtes septentrionales de France. 1838–1843.

In 6 vols. folio, half-bound.

Stanford's Large Scale Map of the SEAT of WAR, in 15 sheets with an index. 1870. Scale, 5 miles to 1 inch nearly. Sheets 13, 14, 15 wanting. Size of each sheet, 22 inches by 17. Mounted in four parts.

THÉÂTRE de la GUERRE, 1870. Carte publiée par L'Illustration, Paris. Size, 40 inches by 28.

Stanford's Map of FRANCE in DEPARTMENTS, with all the railways, fortresses, towns, and villages. Coloured to show—

1. The extreme limits of subjugation to the Germans.

2. Their first evacuation to the right bank of the Seine, on the confirmation of the Treaty of Peace.

3. Their second evacuation, to take place after payment of 200,000,000*l*.

4. The limits of the perpetual acquisition. 24th October 1870. Scale, 26 miles to 1 inch; size, 24 inches by 25.

**NORTH-EAST FRANCE.** Coloured in departments, also with the names and boundaries of the old provinces, and showing the territory acquired by Germany. 1870. *Scale, 21 miles to 1 inch; size, 19 inches by 17.*

*Paris.*

**Carte Hydrographique du DÉPARTEMENT de la SEINE.** Presentant le relief du sol par des courbes horizontales et par des côtes de hauteurs rapportées au niveau moyen de la mer, ainsi que le tracé et le classement de toutes les voies de communication. Dressée et gravée sous la direction de l'Ingénieur en chef des ponts et chaussées du Département, par ordre du Préfet de la Seine. 1852. *In 2 sheets; size of each, 47 inches by 28.*

**STANFORD'S Plan of the FORTIFICATIONS of PARIS,** showing the enceinte and detached forts, also the levels and other engineering details from a survey by the Prefect of the Department of the Seine. 1870. *Size, 25 inches by 35.*

**STANFORD'S Map of the ENVIRONS of PARIS,** showing the Fortifications. 1st Sept. 1870. *Scale, 1 mile to 1 inch; size, 21 inches by 27.*

**PARIS and its ENVIRONS, 17th Oct. 1870.** *Scale, 1 mile to 1 inch; size, 21 inches by 28.* Supplement to "the Homeward Mail."

*Corsica.*

**Carte Nouvelle de l'ISLE de CORSE (Corsica),** dressée d'après une grande Carte manuscrite levée sur les lieux, par ordre de M. le Maréchal de Maillebois, par le Sr. Robert de Vaugondy, Geographe ord. du Roi et de S. M. Pol. Duc de Lorraine et de Bar, de l'Académie royale des Sciences et Belles Lettres de Nancy. Paris 1768. *Size, 29 inches by 21.*

**PILOTE de l'ILE de CORSE.** Levé dans les années 1820-42. Par M. Hell, Capitaine de Vaisseau, secondé par M. M. T. Deloffre, &c. Publié par ordre du Roi. 1831. Folio, half-bound.

**GREAT BRITAIN AND IRELAND.**

**SMITH'S NEW ENGLISH ATLAS,** being a complete set of County maps divided into Hundreds, on which are delineated all the direct and cross roads, part of which are from actual measurement, cities, towns, and most considerable villages, parks, seats, rivers, and navigable canals, preceded by a general map of England and Wales on which the principal roads are carefully described for the purpose of facilitating the connexion of the respective maps. The whole accompanied by an Index Villaris, containing upwards of forty thousand names of places, mentioned in the work, with reference to their situation. London, 1804. Fifty-three maps. Folio, half bound.

**Charts and Plans referred to in Mr. TELFORD'S REPORT** and Survey on the communication between ENGLAND and IRELAND, by the NORTH-WEST of SCOTLAND. 1809. On 16 large plates, in one vol. folio, paper cover.

**An Atlas of the ENGLISH COUNTIES** divided into Hundreds, &c. \* \* \* Projected \* \* \* under the superintendence of J. L. Murray. 1830. Folio, half bound.

To Her Most Gracious Majesty Queen Victoria, this MAP of the BRITISH ISLES, elucidating the distribution of the Population, based on the Census of 1841, compiled and drawn by Augustus Petermann, F.R.G.S., &c. is \* \* \* dedicated. London, 1849. *Scale, 25 miles to 1 inch ; size, 34 inches by 23.*

To Her Most Excellent Majesty Queen Victoria, this HYDROGRAPHICAL MAP of the BRITISH ISLES, exhibiting the Geographical distribution of the Inland Waters, constructed by Augustus Petermann, F.R.G.S., &c. is \* \* \* dedicated. London, 1849. *Scale, 25 miles to 1 inch ; size, 35 inches by 24.*

MAP of ENGLAND and WALES, showing the Railways, Canals and inland navigation, compiled from the Ordnance Surveys and other sources, for the use of the Lords of the Committee of Privy Council for Trade, &c. under the direction of Captain J. L. A. Simmons, Royal Engineers, F. Mackenzie, draftsman. Presented to the House of Commons by Command of Her Majesty. Decr. 1852. *Scale, 6 miles to 1 inch ; on 8 sheets, bound in a paper cover ; size, 20 inches by 31.*

Map of the BRITISH ISLES showing the principal Light-houses, with the limit and character of each light ; the Coast Guard Stations and Districts ; the stations where Life Boats are established ; the Ports, Sub-Ports and Creeks under the Customs ; and the Railways of the United Kingdom. Published by order of the Board of Trade. Corrected to 1855. *Size, 65 inches by 51.*

Chart showing the WRECKS and CASUALTIES on the COASTS of ENGLAND and WALES during 1867. Compiled in the Board of Trade from their Wreck Register. *Size, 22 inches by 17.*

The Ordnance Survey of ENGLAND and WALES. *On the scale of 1 inch to 1 mile.* Sheets 1 to 9, 12 to 22, 24 to 44, 45 N.W., S.W., S.E., 47, 48, 54 N.E., 55, 56, 58, 61, 62 N.E., N.W., 64, 65, 69, 70, 75, 83 to 86.

Geological Survey of GREAT BRITAIN. Section of the Coal Measures, Carboniferous Limestone, and a portion of the Old Red Sandstone, in the vicinity of Bristol, by D. H. Williams. *Scale, 40 feet to 1 inch ; size, 44 inches by 30.*

Geological Survey of GREAT BRITAIN. Sections across part of the Coal Field of Glamorganshire, South Wales. *Scale, 6 inches to 1 mile ; size, 29 inches by 44.*

### *Shropshire.*

To His Royal Highness George, Prince of Wales, &c. &c., this Actual Survey of the COUNTY of SALOP is most humbly inscrib'd by his most dutiful and most obedient servant John Rocque. London, 1752. *Scale, 1 mile to 1 inch ; in 4 sheets, size of each, 30 inches by 22.*

### *Wales.*

This Map intended to illustrate more especially the Physical Configuration of Wales and its Border Counties, forms part of the Second Edition of the Geological Map of England and Wales, in six sheets. By G. B. Greenough. 1839. *Size, 38 inches by 35.* With a list of hills, with their signs and heights above the sea.

*London.*

Plan of the CITIES of LONDON and WESTMINSTER, the BOROUGH of SOUTHWARK and parts adjoining, showing every house. By R. Horwood. 1792-1799. *Scale, 25 inches to 1 mile. On 32 sheets, with "Bowles, one sheet plan of London and Westminster," as an index map. In 1 vol. folio, size, 25 inches by 22, half-bound.*

Map of LONDON from an actual survey made in the years 1824, 1825, and 1826, by C. & J. Greenwood. London, 21st August 1827. *Scale, 6 inches to 1 mile; in 6 sheets, size of each, 26 inches by 31. Also another copy folded in a case.*

LONDON, 1846. Drawn and engraved from authentic documents and personal observations, by R. B. Davies, &c. Under the superintendence of the Society for the Diffusion of Useful Knowledge. *Scale, 3¼ inches to 1 mile; size, 16 inches by 27. Mounted to fold.*

Plan showing the site of the EAST INDIA HOUSE with the adjacent localities. *Size, 17 inches by 22.*

The EAST INDIA HOUSE, Leadenhall Street, signed M. Digby Wyatt, architect, India Office, &c. Basement, ground floor, first floor, second floor, and third floor plans. *Scale, 22 feet to 1 inch; on 5 sheets, size of each, 23 inches by 18.*

*Ireland.*

A maritim survey of IRELAND and the WEST of GREAT BRITAIN, taken by order of the Right Honourable the Lords Commissioners of Admiralty; in two volumes, accompanied with a book of nautical descriptions and directions to each volume. By Murdoek Mackenzie, senior, F.R.S. Vol. I. containing the Maritim Survey of Ireland comprehended in XXVIII charts; also views of the land taken at sea. London, 1776. Folio, half bound.

TAYLOR'S Map of the ENVIRONS of DUBLIN extending 10 to 14 miles from the castle by actual survey. *On a scale of 2 inches to 1 mile. 1816. Size, 36 inches by 32. Folded in a case.*

Map of KINGSTON and part of DALKEY. *Scale, 6 inches to 1 mile; size, 18 inches by 25. MS.*

## GERMANY.

*General Maps.*

Karte von DEUTSCHLAND dem KOENIGR. der NIEDERLANDE, dem Kgr. Belgien, der Schweiz, und den angrenzenden Landern, bis Paris, Lyon, Turin, Mailand, Venedig, Ofen, Königsberg, in 25 Blättern. Entworfen und herausgegeben von Adolf Stieler. Gotha bey J. Perthes. 1862. *Scale, 11½ miles to 1 inch; size of each sheet, 15 inches by 19. Mounted in a case. Also a later edition, 1866, in sheets.*

CAUCHARD'S MAPS, original French edition.

1. Carte réduite de la Carte Générale d'Allemagne pour servir à rassembler les neuf Feuilles dont cette carte est composée par M. Chanehard, etc. *On 1 sheet; scale, 32 miles to 1 inch.*



2. Carte Générale de l'Empire d'Allemagne par M. Chauchard, Capitaine d'Infanterie et Ingénieur Militaire de Monseigneur Comte d'Artois. *On 9 sheets; scale, 8 miles to 1 inch.*
  3. Carte de la partie septentrionale de l'Italie, par M. Chauchard, etc. 1791. *On 4 sheets; scale, 8 miles to 1 inch.*
- Bound together in 1 vol. folio, half calf. *Size, 25 inches by 18.*

**CHAUCHARD'S MAPS**, English edition. A general Map of the Empire of Germany, Holland, the Netherlands, Switzerland, the Grisons, Italy, Sicily, Corsica, and Sardinia. By Captain Chauchard, &c. Dedicated by permission to His Majesty. London. Printed for John Stockdale, &c. 1800. *On 25 sheets; scale, 8 miles to 1 inch.* In 1 vol. folio, half bound. *Size, 26 inches by 20.*

### Statistische KARTCHEN von DEUTSCHLAND :—

1. Bevölkerungs-Verhältnisse Politische Uebersicht; Geburten; Bevölkerungs Zunahme; Israelitische Bevölkerung; Bevölkerung dichtigkeit: Todesfälle Christliche Bevölkerung; Uneheliche Geburten.
2. Landwirthschaft-Ackerbau; Wald; Wein; Pferde; Rinder; Schafe; Schweine. Gez. v. O. Delitsch, Bibliographisches Institut in Hildburghausen.

### *Holstein, &c.*

Die HERZÖGTHÜMER HOLSTEIN und LAUENBERG, mit dem Fürstenthume Lübeck, und den Gebieten der freien Städte Lubeck und Hamburg, hauptsächlich nach Vermessungen unter der Direction des Conferenzzraths Schumacher. Kopenhagen im Königlichen See-Korten Archive. 1848. *Size, 21 inches by 28.*

### *River Rhine.*

Panorama of the RHINE and of the adjacent country from Mayence to Cologne, designed from nature by F. W. Delkeskamp. With 2 insertions: (1) Map showing the various routes from London to Cologne; (2) Map showing the various routes from Cologne to the sources of the Rhine. *Scale, about 33 miles to 1 inch; size, 107 inches by 9.*

### *Wurtemberg.*

KONIGREICH WÜRTEMBERG nebst THEILEN der angrenzenden Lander nach dem Massstab  $\frac{1}{200000}$  in 4 Blättern als General-karte des topographischen atlases. Bearbeitet von dem Dirigenten der Landes-Vermessung, Oberfinanzrath v. Mittnacht. Herausgegeben von dem K. statistisch topographischen Bureau in Stuttgart. *Size of each sheet, 31 inches by 24.*

### GREECE.

Carte Générale de la GRÈCE MODERNE au 1,000,000<sup>e</sup>. Dressée par le Chev. Lapie, 1<sup>er</sup> Geographe du Roi, Officier Supérieur au Corps Royal des Ingénieurs Geographes. Paris, 1828. *Size, 31 inches by 21.*

### ITALY.

#### *Northern.*

Carte Nouvelle du DUCHÉ DE MANTOUE Levé par ordre exprès à l'usage des Armées en Italie; où sont exactement marqués les Grand Chemins, les Routes des Impériaux, &c. par le Sr. Sanson, Geogra. du Roy à Amsterdam. No date. *Size, 22 inches by 25.*

The SEAT of WAR in SAVOY, PIEMONTE, and in the MILANES, with the roads. Les Frontières de France et d'Italie ou se trouvent les états du Due de Savoye, partie de ceux de Milan et de la République de Genes ; avec les Diverses Routes ou Passages de France et d'Allemagne en Italie par les Alpes. Dressée et présentée à Monseigneur Le Dauphin, par son très humble et très obeissant serviteur et geographe N. de Fer. 1703. *Size, 20 inches by 25.*

ITALIAN IRRIGATION, being a report on the Agricultural Canals of Piedmont and Lombardy, addressed to the Honourable the Court of Directors of the East India Company. By R. Baird Smith, F.G.S., Captain in the Army and First Lieutenant of Engineers, Bengal Presidency. Printed by order. 8vo., vol. 1, Historical and Descriptive ; vol. 2, Practical and Legislative. Edinburgh, 1852. Also,

Maps and Plans illustrative of the CANALS of IRRIGATION in LOMBARDY and PIEDMONT. 17 plates, folio, printed cover.

Carta Generale del REGNO LOMBARDO-VENETO, redotta della Carta Topografica, nell' Istituto Geografico Militare dell' I. R. Stato Maggiore Generale in Milano nell' anno 1838, riveduta nell' anno 1856. Copied by the Anastatic process in 1859 at the Ordnance Survey Office, Southampton. *Scale,  $4\frac{1}{2}$  English miles to 1 inch ; on 4 sheets ; size of each, 22 inches by 33.*

Plan of the neighbourhood of VERONA, MANTUA, PESCHIERA, LEGNAGO, from the Austrian Staff Map. Lithographed at the Topographical Depot, War Office, 1866. *Scale, about  $1\frac{1}{3}$  English miles to 1 inch ; size, 27 inches by 40.*

### *Southern Italy.*

Map of SOUTH ITALY and adjacent coasts. By A. Arrowsmith. 1807, additions to 1820. *In 4 sheets ; size of each, 26 inches by 34.*

### *Sicily.*

Carte de la SICILE dans son état actuel, publiée sous les auspices de M. le Due de Luynes, par A. H. Dufour, Geographe, et M. Amari. Avec les reductions de la Carte ancienne d'après Ptolémée et de la Carte Arabe d'après Edrisi. Paris, 1859. *Size, 25 inches by 35.*

Carte Comparée de la SICILE MODERNE avec la Sicile au 12<sup>e</sup> Siècle d'après Edrisi, et d'autres geographes Arabes. Publiée sous les auspices de M. le Due de Luynes, par A. H. Dufour, Geographe, et M. Amari. Avec les reductions de la Carte ancienne d'après Ptolémée et de la Carte Arabe d'après Edrisi. Paris, 1859. *Size, 25 inches by 35.*

## RUSSIA.

Sketch of the ACQUISITIONS of RUSSIA since the Accession of Peter I. to the Throne. London. John Murray, 1836. *Size, 20 inches by 27.*

Karte des EUROPÄISCHEN RUSSLANDS und der Angrenzenden Länder, mit genauer Bezeichnung der Strassen und angabe einiger Historisch-Physikalisch-Geographischen Hauptmomente. Gotha, 1855. *Size, 26 inches by 20.*

Map of a part of EASTERN EUROPE, intended to indicate the relative situation of the Armies of the Northern Powers, and their numerical force by means of the scale *ad hoc* placed in the explanations. Signed, General PÉtaug. Topographical Dépôt, War Office, August 1855. *Size, 25 inches by 22.*

### *Crimea.*

To Her most Gracious Majesty Queen Victoria

Military Topographical Map of the KRIMA PENINSULA, constructed and founded on the most recent astronomical observations, verified and completed from authentic Military Surveys of the staff of His Imperial Majesty's Quartermaster-General's Department, by Major-General Mukhin in the year 1816; by express command of Governor-General and Aid-de-Camp Prince Volkonski, 2nd. during his administration of that country, (an English edition with the title in Russian and English) by Thomas Best Jervis, F.R.S., Major of the Corps of Engineers, E.I. Service. 1854. *Scale, about  $2\frac{3}{4}$  miles to 1 inch.* With an insertion entitled "Geological Map of the Krima or Crimea." In 2 parts, mounted to fold, in a case. *Size, 19 inches by 14; size of each part of map, 52 inches by 55.*

Another copy, without a case.

The CRIMEA, by James Wyld, geographer, &c. (With a Map of the Black Sea and a Plan of Sevastopol.) *Scale, 8 miles to 1 inch; size, 19 inches by 27.*

SEAT of WAR in the KRIMEA. By the Hydrographic Office, Admiralty. With a Map of the Black Sea, and Views of Sevastopol, Balaklava, and Eupatoria. 1855. *Scale,  $1\frac{1}{2}$  inches to 1 mile; size, 31 inches by 49.*

SEAT of WAR in the KRIMEA. Sheet 2. By the Hydrographic Office, Admiralty. 1855. *Scale, about  $1\frac{1}{3}$  mile to 1 inch; size, 31 inches by 49.*  
 " " With a Chart of the Coast of the Black Sea from Odessa to Eupatoria.

Topographical and Geological Map of the ALLIED OCCUPATION in the CRIMEA, based on the reconnaissances of French staff officers, made in 1854, 1855. Lithographed at Topographical Dépôt, War Office. 1857. *Scale, about  $1\frac{1}{2}$  inches to 1 mile; size, 27 inches by 35.*

Bay of ALUSHTA, CRIMEA, from the Survey by Capt. E. Manganiari of the Russian Imperial Navy, 1836. Topographical Dépôt, War Department, 10th September 1855. *Scale, about 1 nautical mile to 1 inch; size, 14 inches by 22.*

Plan of OTCHAKOV, taken by the Russians, 1737. Copied from an old published map communicated by Mr. Derham. Lithographed at the Topographical Dépôt, War Department, 8th November 1855. *Scale, about 220 feet to 1 inch; size, 19 inches by 12.*

Plan of OTCHAKOV, as it was when besieged by the Turks, under the Seraskir Ali Pasha and the Khan of the Crimea. Copied from an old published map communicated by Mr. Derham. Lithographed at the Topographical Dépôt, War Department, 9th November 1855. *Scale, about 490 feet to 1 inch; size, 25 inches by 19.*

Chart of the HARBOUR of AKHTIAR or SEVASTOPOL. Showing the situations of all the Magazines, Barracks, Store-houses, and Arsenals

employed by the Russians for their Fleet in the Black Sea, the Soundings of all the Bays, &c., &c. Also a complete Survey of the Roads of Akhtiar or Bay of Inkerman, the Ctenns of Strabo, and of all the coast to the most western point of the Heracleotic Kherdoneesus with the site of the ruins of the new and old Kherdoneesus of Strabo, or Heraclea of Pliny, from actual observations made upon the spot for the use of the Russian Government. From a Russian chart, first made known by Dr. E. D. Clarke, 1816; and now reproduced by Major T. B. Jervis. London, May 1854. *Size, 15 inches by 21.*

Sketch of the MALAKHOV TOWER, by Mr. Beaux, Capt. d'État-Major, attached to the 1st division, 10th September 1855. Transmitted by Marshal Pelissier to the Minister of War, France, under date 14th September, and communicated to Lieut.-Col. Jervis. Topographical Dépôt, War Office. *Scale, about 140 yards to 1 inch; size, 13 inches by 18.*

THEODOSIA or KAFKA, CRIMEA, from the Survey by Capt. E. Manganari, of the Russian Imperial Navy. 1836. Topographical Dépôt, War Department, 14th September 1855. *Scale, about  $3\frac{1}{2}$  inches to 1 nautical mile; size, 15 inches by 22.*

BAY and FORT of YALTA, CRIMEA, from the Survey by Capt. E. Manganari, of the Russian Imperial Navy. 1836. Topographical Dépôt, War Department, 17th September 1855. *Scale, about  $\frac{3}{4}$  nautical mile to 1 inch; size, 14 inches by 21.*

Plan and Section of the LINES of PEREKOP, from an old published plan (1736), communicated by Mr. Derham. Lithographed at the Topographical Dépôt, War Department, 29th October 1855. *Scale, about  $\frac{5}{16}$  mile to 1 inch; size, 13 inches by 20.*

Plan of the DEFENCES of SEVASTOPOL, with the Lines of Attack of the Allied Armies previous to the Final Assault on the 8th September 1855. Prepared from the plan forwarded to the War Department by Major-General Sir Harry Jones, G.C.B., Commanding Engineer. December 1855. *Scale, 6 inches to 1 mile; size, 20 inches by 27.*

SEVASTOPOL, copied from the tracing of a Plan found (15th September 1855) on the body of a Russian officer of Engineers by Col. Waubert of the French Étât-Major, and forwarded to Maréchal Vaillant, Ministre de la Guerre de France, 25th September 1855. Communicated by order of the Maréchal Ministre de la Guerre to Lieut.-Col. T. B. Jervis, 29th October 1855. *Scale, 1,400 feet to 1 inch; size, 20 inches by 26.*

Plan of SEVASTOPOL and of the Attacks and Positions of the Allied Armies in 1854-5. Surveyed and drawn by Capt. Cooke, Lieuts. Brine, Fisher, Elphinstone, Cumberland, Anderson, James, Scratchley, Donnelly, and Baynes, of the Royal Engineers, and Capt. Baldwin, 31st Regiment, Lieut. Grimlinton, 4th Regiment, Assistant Engineers. Lithographed at the Ordnance Map Office, Southampton, in 1857. *Scale, 6 inches to 1 mile; in 8 sheets; size of each, 28 inches by 42.*

Ground Plan, Longitudinal and Transverse Sections of the DOCKS of SEVASTOPOL, constructed by the Russian Government under the direction of Colonel Upton, C.E. Taken from the working plan. Engraved at the Topographical Dépôt, War Department. December 1855. *Scale, 21 English feet to 1 inch; size, 23 inches by 63.*

## SPAIN and PORTUGAL.

A new Map of SPAIN and PORTUGAL, exhibiting the chains of mountains, with their passes, the principal and cross roads with other details requisite for the intelligence of military operations. Compiled by Jasper Nantiat. London. W. Faden. 1st January 1810. *Scale, about 14 miles to 1 inch; size, 44 inches by 63.*

With a table of distances between the principal towns in Spain.

ATLANTE TOPOGRAFICO MILITARE per servire alla storia delle campagne e degli assedi degl' Italiani in Ispagna dal 1808 al 1813, ricavato da antichi documenti e da nuove ricognizioni eseguite nel corso della guerra, da Camillo Vacani, Maggiore nell' Imperiale Regio Corpo del Genio, &c.

Tavola 1. Carta Generale delle Spagne; 2. Catalogna; 3. Barcelona; 4. Tarragona; 5. Sagunto; 6. Valenza; 7. Rosas; 8. Zaragoza; 9. Gerona; 10. Hostalrich; 11. S. Felice; 12. Tortosa; 13. Tarragona; 14. Figueras; 15. Bilbao; 16. Lerida, Burgos, Peniseola e Castro. In 1 vol. folio, bound. *Size, 28 inches by 20.*

Maps of the PENINSULAR WAR, lithographed from the original drawings in the Quartermaster-General's Office, at the topographical dépôt of the War Office, Colonel Sir H. James, R.E., F.R.S. &c. Director, 1860-68.

## CONTENTS :—

1. Battle of Talavera de la Reyna, fought on the 27th 28th July 1809.
2. Battle of Busaco, 26th, 27th Sept. 1810.
3. & 4. Movements of the two armies after the repulse of Marshal Massena's attack upon the position of Busaco. Sept. Oct. 1810.

*Massena's Retreat, in 10 plates.*

1. Arrival of the advanced guard of the allies in presence of the French army near Pombal, 10th March 1811.
2. Disposition of the allies for the attack of the enemy's position beyond Pombal, 12th March 1811.
3. Affair of Redinha, 12th March 1811.
4. Advance of the allies upon Codeixa, 13th March 1811.
5. Affair at Casal Novo, 14th March 1811.
6. Affair at Foz d'Arruee, 15th March 1811.
7. Passage of the Ceira on the 17th March 1811.
8. Movements to dislodge the French from their positions on the right bank of the Alca on the 18th March 1811.
- 9.
10. Affair of Sabugal, 3rd April 1811.

*Battle of Fuentes D'Onoro, in 3 plates.*

1. General position on the 3rd May 1811.
2. General position on the 5th May 1811.
3. General position on the 5th to the 8th May 1811.

BATTLE of ALBUERA, May 16th 1811. Published with permission of the Quartermaster-General. By W. Faden, geographer to His Majesty, &c. 12th August 1811. *Scale, 400 yards to 1 inch; size, 19 inches by 27.*

With a tabular reference to the plan of the battle.

Map of SPAIN and PORTUGAL with the Frontiers of France describing the Post Roads, Relays, &c. London, C. Smith and Son, 1832. *Scale, 28 miles to 1 inch; size, 27 inches by 32.*

SPAIN and PORTUGAL. By J. Arrowsmith, 1842. *Scale, 30 miles to 1 inch; size, 22 inches by 27.*

## SWITZERLAND.

## Map of the ALPINE COUNTRY in the SOUTH of EUROPE.

By A. Arrowsmith. 1804. *Scale,  $8\frac{1}{2}$  miles to 1 inch; on 4 sheets; size of each, 27 inches by 34.*

Atlas zu den neuen Untersuchungen ueber die physicalische Geographie und die Geologie der ALPEN. Von Adolph Schlagintweit und Hermann Schlagintweit. Mit XXII Tafeln und VIII Erläuterungsblättern der landschaftlichen Ansichten. Leipzig, 1854. Only the title, contents, and plates following:—

III. & IV. Geologische Karte und Profile des Monte Rosa.

VI. Ansicht des Monte Rosa, und des Gornergletschers.

VII. Ansicht des Alpenzuges vom Mont Cervin bis zum Mittelhorn.

VIII. Das untere Ende des Gornergletschers.

Topographische Karte der SCHWEIZ. Sheet 19. Bellinzona, 1858. *Size, 26 inches by 35.*

## TURKEY in EUROPE.

*General Maps.*

## Carte générale de la TURQUIE D'EUROPE et de la GRÈCE.

Dressée par le Chev. Lapie, &c. Paris, 1827. *Scale, 42 miles to 1 inch; size, 26 inches by 21.*

An anastatic facsimile of the AUSTRIAN STAFF MAP of TURKEY, with the following English title:— \* \* \* Map of the Present Seat of War, originally founded and constructed, on the basis of remarkable Russian materials, by the staff of the Austrian Quartermaster-General, at the command of Field Marshall Prince Schwarzenberg, has been exactly reproduced under the direction of Major Thomas Best Jervis, F.R.S., late of the corps of Engineers, East India Service, specially for the use of the staff and officers and attachés of the army proceeding to the East; and as far as may be possible, to such of the Public as may desire it thereafter. London, 12th April 1854. *Scale, 9 miles to 1 inch; in 20 sheets, marked 2 to 21 consecutively, with a letterpress title sheet. Size of each, 18 inches by 26.*

*The Bosphorus.*

Karte des nördlichen befestigten THEILS des BOSPHORUS von den Hissaren bis zu den Leuchthürmen am Schwarzen Meer, im Austrage Sr. Hoheit Sultan Mahmud II. mit dem Messtisch in  $\frac{1}{25000}$  aufgenommen 1836–37. durch Freiherrn von Moltke, Hauptmann im Königl. preussischen Generalstabe, Berlin, 1849. *In 4 sheets; size of each, 22 inches by 17.*

*Constantinople.*

Karte von CONSTANTINOPLE, den VORSLAEDTEN, der UMGEGEND, und dem BOSPHORUS, im Austrage Sr. Hoheit Sultan Mahmud's II. mit dem Messtisch in  $\frac{1}{25000}$  aufgenommen in den Jahren 1836–37, durch Freiherrn von Moltke, Hauptmann in Königl. preussischen Generalstabe. Berlin, 1842. *Size, 31 inches by 35.*

*Montenegro.*

Map of MONTENEGRO, from a copy by Lieut. Sittwell, R.E., attached to Major Cox, R.E., British Commissioner for the demarcation of the boundaries of Montenegro in 1859–60. The original compiled from the surveys and sketches of the British and Austrian members of the commission. Lithographed at the Topographical Depot, War Office, 1860. *Scale, about  $3\frac{1}{6}$  English miles to 1 inch; size, 27 inches by 40.*

*Varna.*

Sketch of the ENCAMPMENT of the 1st and 2nd Division of BRITISH TROOPS under the command of General Lord Raglan, G.C.B., also of the French, Turkish, and Egyptian troops at Varna, on the anniversary of Her Majesty's accession, the 20th June 1854. By Col. Fredk. Wm. Hamilton, Grenadier Guards. 21st June 1854. *Scale, 600 paces to 1 inch; size, 19 inches by 13.*

## AFRICA.

*General Map.*

Sketch of the CAMP on the River Prah. *Scale, 12 inches to 1 mile; size, 10 inches by 13.*

A new Map of AFRICA exhibiting its Natural and Political Divisions, drawn from the most recent materials. 1832. *Size, 36 inches by 34.*

## MOROCCO AND ALGIERS.

NORTH COAST of AFRICA, including Morocco and Algiers, with the Coasts of France and Spain. By James Wyld. 1844. *Scale, 90 miles to 1 inch; size, 18 inches by 26.* In a case.

## SAHARA.

Originalkarte von Dr. C. Nachtigal's REISE nach TIBESTI oder TU, Juni-September 1869. Nach einer Handzeichnung von Dr. G. Nachtigal. *Size, 14 inches by 11.*

## ASHANTEE AND GOLD COAST.

Map of ASHANTEE and GOLD COAST. Topographical Depot of the War Office, Major C. W. Wilson, R.E., Director. 1873. *Scale, 5 miles to 1 inch; on 2 sheets; size, 38 inches by 50.* With notes, 16 pp., fcap.

Also a revised edition of the Western sheet.

Also a smaller edition on the scale of 10 miles to 1 inch. *Size, 27 inches by 40.*

Routes of Detachments to ESSAMAN, DUNQUAH, &c., compiled by Captain Huyshe, from sketches by Captains Huyshe and Buller, &c. *Scale, 2 inches to 1 mile.* Lithographed at the Topographical Depot of the War Office, 1873. *Size, 38 inches by 50.*

Map of the former Dutch Possessions on the GOLD COAST, comprising the country between Axim and Elmina. By Lieut. C. A. Jeckel, R. Dutch Navy. *Scale, 4 miles to 1 inch; size, 13 inches by 20.*

## EGYPT.

A Map of LOWER EGYPT, from various Surveys communicated by Major Bryce and other officers. Drawn by A. Arrowsmith, Hydrographer to H.R.H. the Prince of Wales. 1807. *Scale, 3 miles to 1 inch; on 4 sheets; size of each, 25 inches by 32. Folded in a case.*

Die NILLÄNDER oder AEGYPTEN, NUBIEN, und HABESCH, nach C. F. Weiland's Entwurf, volleg umgearbeitet v. H. Keipert. 1848. *Scale, about 80 English miles to 1 inch; size, 28 inches by 24.*

Plan of the OPERATIONS of the BRITISH and OTTOMAN FORCES in EGYPT, from the 8th March to 2nd September 1801, when the French were finally expelled from that country. Composed from materials furnished by the Quartermaster General's Department. London, 1802. *Scale, 4 miles to 1 inch.*

\* With an enlargement of the Peninsula of Alexandria, on the scale of 1 mile to 1 inch. *Size, 36 inches by 17.*

Wyld's ISTHMUS of SUEZ and LOWER EGYPT. 1843. *Scale, 12 miles to 1 inch; size, 12 inches by 17.*

Percement de l'ISTHME de SUEZ. Atlas des cartes, plans, sondages, profils et forages à l'appui du projet de la commission internationale. Troisième série des documents publiés par M. Ferdinand de Lesseps. Paris, 1856. In 1 vol., 4to. bound.

## *Nubia and Abyssinia.*

UPPER NUBIA and ABYSSINIA. By Keith Johnston, F.R.S.E. *Scale, 45 miles to 1 inch; size, 20 inches by 25.*

VOYAGE aux DEUX NILS (Nubie, Kordofan, Soudan Oriental) exécuté de 1860 à 1864, par ordre de l'Empereur. Par Guillaume Lejean. Atlas. In 1 vol., folio, half bound.

### LISTE DES CARTES, ETC.\*

Explication des Cartes:—

1. Itinéraires, Feuille IV. De Dj. Rafeta (Atmour) à Khartoum. Plan de Berber. Carte du Nam-aith (Bahr el Gazal).
2. Itinéraires, Feuille I. De Khartoum à la Dender par Sennar et Karkodj. Rade de Saouakin. Plan de la ville de Saouakin. Plan de Sennar.
3. Itinéraires, Feuille III. De Khartoum à la frontière du Darfour (Kordofan). Carte de Confluent des Deux Nils.
4. Itinéraires, Feuille V. De Saouakin au Taka. Plan de la ville de Kássala.
5. Itinéraires, Feuille VI. Route du Barka.
6. Cours du Nil Blanc (Bahr el Abiad, Kir) du Saubat à Gondokoro. Vues. Plan de Khartoum.
7. Esquisse d'une Carte du Bassin du Fleuve Blanc entre les 7<sup>e</sup> et 11<sup>e</sup> degrés de latitude. Par G. Lejean. 1865. Carte de la Haute Nubie (partie orientale); divisions agronomiques.

\* NOTE.—The Maps are arranged in the order adopted in the "Explication des Cartes," which is not consistent either with the Titles of the Maps or with the marginal numbers of the Plates.



8. Carte politique et itinéraire du Ouadai, avec le Baghirmi oriental, dressée d'après les informations des indigènes. Par G. Lejean.
9. Carte ethnographique de la région N.E. de l'Afrique (Nil-land).
10. Carte du Sanhar et du Sennaheit (Haute Nubie). Rade de Massaoua. Plan de la ville de Massaoua.
11. Itinéraires, Feuille II. De la Dender à Tehelga. Abyssinie.
12. Carte générale de la Haute Nubie (Partie Occidentale); divisions agronomiques.
13. Carte générale de la Haute Nubie (Partie Occidentale)-d'après les itinéraires et les informations de l'Auteur. 1860-61.
14. Carte générale de la Haute Nubie (Partie Orientale) d'après les itinéraires et les informations de l'Auteur. 1860-64. Cours du Nil Blanc entre le Tefafan et l'emb. du Saubat. Addition à la Feuille V.
15. Esquisse du Dar-Four. Carte Ire. Divisions politiques.
16. Esquisse du Dar-Four. Carte Ite. Divisions agronomiques.

## ABYSSINIA.

ABYSSINIA. Line of March of the Army under Lieut.-General Lord Napier of Magdala. 1868. Surveyed by Lieut. Carter, R.E., Surveyor G.T. Survey of India, assisted by Lieuts. A. E. Dummer, R.E., and T. H. Holditch, R.E., Assistant Surveyors. Drawn by Lieut. Holditch, R.E. Photo-zineographed at the Ordnance Survey Office, Southampton, &c. *Scale, 4 miles to 1 inch; on 5 sheets; size of each, 28 inches by 21.*

Diagram of the TRIANGULATION and LINE of TRAVERSE from ANNESLEY BAY to MAGDALA. Surveyed by Lieut. T. T. Carter, R.E., assisted by Lieuts. A. E. Dummer and T. H. Holditch, R.E. *Scale, 4 miles to 1 inch; on 5 sheets; size of each, 28 inches by 21.*

Map of the ROUTE from TAJOORA to ANKOBER travelled by the Mission under Capt. W. C. Harris to the Court of Shoa. 1843. Surveyed by Assistant-Surgeon R. Kirk and Lieut. Barker, I.N. Copied in the Chief Engineer's Office, Bombay, 1841. *Scale, 10 miles to 1 inch; size, 21 inches by 26.* MS.

Map of AFRICA from the Equator to  $13^{\circ}$  N. lat., and from  $31^{\circ}$  to  $51^{\circ}$  E. longitude. By James Macqueen, Esq. London, 1844. *Size, 8 inches by 11.*

## EAST COAST OF AFRICA.

Map of a Portion of the Course of the RIVERS HAINES and JUB, partly from personal observation, but principally from minute and particular inquiries of intelligent natives of the country; repeated on visiting the various towns along the coast. The sea line afforded an excellent criterion to judge of the actual position of places not visited. Signed W. Christopher, Lieut. Commanding H.C. brig of war "Tigris." Aden, Back Bay, 29th May 1843. *No scale; size, 30 inches by 37.* MS.

\* \* See also Admiralty Charts.

## EQUATORIAL LAKES OF AFRICA.

Skizze einer Karte eines THEILS von OST- und CENTRAL-AFRIKA, mit angabe der wahrscheinlichen Lage und Ausdehnung des See's von Uniamesi, nebst Bezeichnung der Greuzen und Wohnsitze der Verschiedenen Völker sowie der Caravanen-Strassen nach dem Innern. Gestutzt auf die Angaben zahlreicher Eingebornen und Muhamedanischer Reisenden und zusammengetragen von Jakob Erhardt und Johann Rebmann, Missionaire der Church Missionary Society of London in Ost-Afrika. Nach J. Erhardt's Original und der Eng. Küsten Aufnahme gezeichnet von A. Petermann. 1856. *Scale, about 70 English miles to 1 inch; size, 14 inches by 17.*

A Map of the ALBERT N'YANZA, and of the ROUTES leading to its discovery in 1864. By Sir Samuel White Baker. *Scale, about 28 miles to 1 inch; size, 20 inches by 15.* Stanford, London.

## NATAL.

Map of the COLONY of NATAL, surveyed by Capt. Grantham, R.E., F.R.G.S., Assoc. Inst. C.E., &c., in 1861. With additions, from the Surveyor-General's Office, Natal. Lithographed at the Topographical Department, War Office. 1863. *Scale, 4 miles to 1 inch; in 4 sheets; size of each, 40 inches by 27.*

## CAPE COLONY.

GRAHAM'S TOWN and the Outposts, with their bearings and distances. By James Wyld. 1851. *Size, 16 inches by 13.* Folded in a case.

## ST. HELENA.

Survey of the ISLAND of ST. HELENA. Signed, James Cocks, Lieut.-Colonel and Chief Engineer. 30th Nov. 1804. *Scale, 1,200 yards to inch; size, 23 inches by 33.* MS.

CHARTS, &c. (Views of the Coast and Botanical Figures) for Captain Flinders's Voyage to Terra Australis. Presented by the Author, 25th July 1814. Large folio, boards.

Plan of the ISLAND of ST. HELENA, inscribed to the Honourable the Chairman, Deputy Chairman, and Directors for the affairs of the United East India Company, by their obliged and faithful servant, John Barnes, Captain and Military Surveyor. November 1811. *Scale, 400 yards to 1 inch; size, 36 inches by 60.* MS.

\* \* \* Chart, showing the ELEVATION of the COAST of the ISLAND of ST. HELENA, the various landings and accessible points, \* \* \* by \* \* \* R. F. Seale. 6th Dec. 1823. *Scale, 12 inches to 1 mile; size, 28 inches by 144.* MS.

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## AUSTRALASIA.

### *General Maps.*

General Map of AUSTRALIA showing the Routes of Explorers. Board of Land and Works, Melbourne, 1863. *Scale, 105 miles to 1 inch; size, 25 inches by 35.\**

AUSTRALIAN VIEWS. North East Coast between Sandy Cape and Endeavour Straits for the Navigation of the Inner Passage to Torres Straits 13 plates oblong 4to., stiff cover.

## COLONY OF VICTORIA.

VICTORIA.—NOTE.—This Map is published in order to meet the present demand for information respecting Runs. The boundaries are laid down approximately, being generally the projection on paper of the Gazetted descriptions. A correct map will be issued as soon as the Runs are surveyed. 1863. Department of Lands and Survey, Melbourne, January 1865. *Scale, 8 miles to 1 inch; on 8 sheets; size of each, 30 inches by 22.\**

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\* NOTE.—Presented to the India Office by the Government of Victoria.

Map of VICTORIA. With reference to alienated lands, leased, sold, and licensed; and lands withheld from leasing and licensing, &c. 1865. *Scale, 16 miles to 1 inch; size, 25 inches by 35.\**

Map of VICTORIA. 1865. *Scale, 16 miles to 1 inch; size, 25 inches by 35.\**

County Maps of VICTORIA, by the Department of Lands and Survey, Melbourne.\* *Scale, 2 miles to 1 inch; as follows:—*

Anglesey, 1866.

Bendigo, 1869.

Borong, Karakara, and Lowan, parts of, 1871.

Bogong, Moira, and Delatite, parts of, 1871.

Bourke, 1866.

Dalhousie, 1869.

Dundas, 1867.

Evelyn, 1868.

Follett, 1866.

Gladstone, and part of Karakara, 1867.

Grenville, 1868.

Grant, 1868.

Hampden, 1867.

Heytesbury, 1866.

Longwood, part of, 1867.

Mornington, 1869.

Normanby, 1867.

North Gipps Land, 1867.

Polwarth, no date.

Ripon, 1867.

Rodney, 1867.

Talbot, 1866.

Villiers, 1867.

West Wimmera, 1868.

## NEW ZEALAND.

Geographical Sketch Map of NEW ZEALAND, constructed from official surveys and the explorations of Dr. E. von Hochstetter and Dr. Julius Haast and others. By James Heeter, M.D., F.R.S., Director of Geological Surveys to the Government of New Zealand. Wellington, 1873. *Scale, 33 miles to 1 inch; size, 35 inches by 24.*

Map of the neighbourhood of the WAIKATO RIVER, NEW ZEALAND. Compiled and lithographed at the Topographical Department, War Office. 1864. *Scale, 2 miles to 1 inch; size, 37 inches by 32.*

## NORTH AMERICA:

The AMERICAN ATLAS; or a geographical description of the whole continent of America, &c. Engraved on forty-nine copper plates by the late Mr. Thomas Jefferys, Geographer to the King, and others. London, 1778. Folio, half-bound.

Atlas to THOMSON'S ALCEDO, or DICTIONARY of AMERICA and WEST INDIES, by Aaron Arrowsmith. Containing North America in 3 sheets; the United States in 4 sheets; Mexico in 4 sheets; the West Indies in 2 sheets; and South America in 6 sheets. London, 1811, with additions to 1814. Folio, half-bound.

The Atlas to VANCOUVER'S VOYAGE OF DISCOVERY to the NORTH PACIFIC OCEAN, and ROUND the WORLD, in which the Coast of North-West America has been carefully examined and accurately surveyed, principally with a view to ascertain the existence of any navigable communication between the North Pacific and North Atlantic oceans. 1790-95. Charts and views on 16 plates, without title, &c., in 1 vol., folio, boards.

\* NOTE.—Presented to the India Office by the Government of Victoria.

## CANADA.

A new Map of the PROVINCE of LOWER CANADA, describing all the seigneuries, townships, grants of land, &c. compiled from plans deposited in the Patent Office, Quebec. By Samuel Holland, Esq.; Surveyor-General, to which is added a plan of the Rivers Seoudia and Magagnadavie, surveyed in 1796, '97, and '98, by order of the Commissioners appointed to ascertain the true River St. Croix intended by the Treaty of Peace in 1783 between his Britannic Majesty and the United States of America. London, 1838. *Scale, 12 miles to 1 inch; size, 24 inches by 36.* In a case.

Atlas of BRITISH NORTH AMERICA, containing Bouchette's Map of the District of Montreal on 3 sheets; Bouchette's Map of Lower and Upper Canada, Nova Scotia, New Brunswick, Newfoundland, and Prince Edward Island, with a large section of the United States, on 3 sheets; Bouchette's Map of the Districts of Quebec, Three Rivers, Sarat Francis, and Gaspé, on 4 sheets. 1831. Folio, half-bound.

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Map of the EASTERN PORTION of BRITISH NORTH AMERICA, including the Gulf of St. Lawrence, and part of the New England States. Compiled from the latest surveys and charts by Henry F. Perley for the report of Israel D. Andrews. 1853. *Scale, 24 miles to 1 inch; size, 27 inches by 48.* Folded.

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Carte de la PARTIE MÉRIDIONALE de la RÉPUBLIQUE du PARAGUAY. Dressée par M. E. Mouchez, Lieut. de Vaisseau, Comm. l'avis à vapeur le Bisson, d'après les documents recueillis sur les lieux et les observations faites pendant les trois voyage du Bisson en 1857, '58, '59. Dépôt des Cartes et Plans de la Marine. Paris, 1816. *In 2 sheets ; size of each, 29 inches by 41.*

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In his preface, M. d'Après narrates the history of European discovery and cartography in the Indian seas. He asserts that he was the first navigator to make use of Halley's method for the determination of longitudes by lunar distances. He gives credit to the English for originating nautical almanacs to facilitate the astronomical observation of geodetical positions. Under the auspices of the French "Compagnie des Indes," he made surveying voyages to India and China, and conveyed the eminent astronomer La Caille to the Cape of Good Hope. Thus important rectifications were made in the cartography of the eastern seas, which were combined with compilations from numerous sources, and incorporated in this volume. Major Rennell "borrowed largely" from it.

4. *Alexander Dalrymple's Charts, 1774-1806.*

A collection of CHARTS, PLANS, and VIEWS, engraved under the direction of Alexander Dalrymple, Hydrographer to the East India Company, No title. In two vols., oblong folio, stiff covers.

\* \* Dates in brackets denote the year of publication by Alexander Dalrymple.

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\* "N.B. This Plan seems to be from the Observations of Adam Lee, 1640, whose Journal is at the East India House, A.D." This note is inscribed on the chart by Dalrymple.

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\* \* The Charts in this volume for the Coasts of Africa, Madagascar, and other Islands in the Indian Ocean, are chiefly from the Surveys made by Capt. W. F. W. Owen, R.N., assisted by Capt. Vidal and other officers, and published by the Admiralty.

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82. China Coast, Breahe Point, to Lemoeh Isle, and Ki-San-Scu Harbour, by D. Ross, 1816.
83. Oie-Hai-Oie Harbour, by J. Crawford, 1816.
84. Tracks of "Discovery" and "Investigator" in the Yellow Sea (Lord Amherst's Embassy), by D. Ross, 1816.
85. Part of East Coast of China and West Coast of Formosa, by G. Blaxland, 1827.
86. Soundings S.E. Coast of China, by Lieut. Paskyns, R.N., 1824.
87. Killon, &c., Isle of Formosa, by Lieut. Parkins, 1824.
88. River Choo Keang or Tigris, by Ross and Maughan, 1815.
89. Passages leading to the Symoon, by W. R. Blakeley (1830).
90. Sketches to show situation of Brunswiek Rock, Canton River, by Captain Moffat.
91. Croee Roads, Sumatra, by Wm. McKellar.
92. Canton River, J. Horsburgh (1831).
93. East Coast of China, by J. Horsburgh (1835).
94. Eastern Passages to China, by J. Horsburgh, Sheet I. (1824).
95. Ditto, Ditto, Sheet II. (1826).
96. Ditto, Ditto, Sheet III. (1828).

## 6. *Mr. John Walker's Charts, 1836-1861.*

A list of CHARTS and SAILING DIRECTIONS, issued originally by the Honourable East India Company, and subsequently by H.M. Secretary of State for India in Council.

Under these authorities the Charts were in the charge of Mr. John Walker, and edited and engraved by him as successor to Capt. Horsburgh, from 1836 to 1861, when the Marine Surveys and Charts were transferred to the Admiralty:—

1. North Atlantic Ocean, Capt. James Horsburgh.
2. South Atlantic Ocean, Capt. James Horsburgh.

3. St. Helena, Mr. George Thomas, R.N., 1815.
4. Bird Islands, Doddington Rock, &c., Mr. L. Fitzmaurice, R.N., 1814.
5. Anchorage at Gough's Island, Captain Richardson and Mr. L. Fitzmaurice, R.N., 1813.
6. South-east Coast of Africa, with a plan of the River Knysna, Mr. William Walker, R.N., 1818.
7. Part of the Indian Ocean,  $10^{\circ}$  to  $52^{\circ}$ , and  $30^{\circ}$  to  $111^{\circ}$ , by Capt. James Horsburgh.
8. Mathurin Bay, Rodrique Island, Lieut. J. H. Grubb, 1810.
- 9, 10. Red Sea, by Capt. T. Elwon, Lieut. H. N. Pinching, Commander R. Moresby, and Lieut. T. G. Carless, 1833-4. 4 *sheets*.
11. Harbours in the Northern part of the Red Sea, Commander R. Moresby, 1833, and Lieut. W. C. Barker, 1848.
12. Harbours in the Southern part of the Red Sea, Commander S. B. Haines, Capt. T. Elwon, and Lieut. H. N. Pinching, 1837.
13. Sailing Directions for the Red Sea, Capt. T. Elwon and Commander R. Moresby, 1841.
14. Entrance to the Red Sea, Commander S. B. Haines, 1835.
15. African Coast, from Jibul Jarne to Sayara, Lieut. W. C. Barker, 1841. 2 *sheets*.
16. North-east Coast of Africa, from Ras Gulwaince to Ras-Haffoon, Lieut. T. G. Carless, 1838. 2 *sheets*.
17. South-east Coast of Arabia, from the Straits of Bab el Mandeb to Misenaat, with several plans, Commander S. B. Haines and Assistants, 1836.
18. The Bays near Cape Aden, Commander S. B. Haines, 1836.
19. South-east Coast of Arabia, from Misenaat to Ras Saugra, Commanders Haines and Sanders, and Lieut. A. M. Grieve. *Sheet 2*.
20. North-east Coast of Arabia, from Ras Saugra to Muscat, Commander Sanders and Lieut. A. M. Grieve, 1849.
21. Gulf of Aden, Capt. Haines, Lieuts. Barker and Grieve, 1847-8. 2 *sheets*.
22. Kooria Moorla Bay and Islands, Commander S. B. Haines and Assistants, 1837.
23. Gulf of Maseera, Lieut. A. M. Grieve and Assistants, 1847. 2 *sheets*.
24. Island of Socotra, Lieut. S. B. Haines and Assistants, 1834.
25. Islands west of Socotra, Lieuts. A. M. Grieve, C. Y. Ward, and Assistants, 1848.
26. Arabian Sea, from  $10^{\circ}$  to Suez, and from  $39^{\circ}$  to  $63^{\circ}$ , Captain James Horsburgh.
27. Arabian Sea, showing the Winds and Currents, and Memoir, Lieut. A. D. Taylor.
28. Red Sea and Gulf of Aden, showing the Winds and Currents in each Month, Lieut. E. F. T. Fergusson. 12 *sheets*.
29. Persian Gulf, showing the Winds and Currents in each Month, Lieut. E. F. T. Fergusson. 12 *sheets*.
30. India and China Seas, showing the Winds and Currents in each Month, Lieut. E. F. T. Fergusson. 12 *sheets*.
31. Harbours of Muttra and Muscat, Lieuts. G. B. Brueks and S. B. Haines, 1828.
32. Battnah and Burkah Coast, Commander G. B. Brueks and Lieut. S. B. Haines, 1828.
33. Entrance to the Gulf of Persia, Commander G. B. Brueks and Lieut. S. B. Haines, 1828.
34. Coast of Arabia, from Ras Goberhindce to Ras Soate, Commander G. B. Brueks and Lieut. S. B. Haines, 1828.
35. Gulf of Persia, Commander G. B. Brueks, 1830. 2 *sheets*.
36. Persian Gulf, Arabian Side, in 5 *sheets*, Lieuts. J. M. Guy, G. B. Brueks, W. E. Rogers, and R. Cogan, 1822.
27. Island and Harbour of Bahrein, Lieuts. G. B. Brueks and W. E. Rogers, 1825.

38. Anchorage off El Kaitiff, Lieuts. G. B. Brueks and W. E. Rogers, 1825.
39. Harbour of Grande or Quade, Lieuts. J. M. Guy and G. B. Brueks, 1825.
40. Entrances to the Rivers at the Head of the Persian Gulf, Lieuts. G. B. Brueks and S. B. Haines, 1827.
41. Coast of Persia, from Ras Tuloop to Bushire, Lieuts. G. B. Brueks and R. Cogan, 1826.
42. Bushire Roads, Lieuts. G. B. Brueks and R. Cogan, 1826.
43. Coast of Persia, from Bushire to Bassadore, Lieuts. G. B. Brueks and S. B. Haines, 1828.
44. Clarence's Straits, Commander G. B. Brueks and Lieut. S. B. Haines, 1828. *2 sheets.*
45. Coast of Persia and Beloochistan, from Kooe Mubarraek to Kurrahee, with Plans, Commander G. B. Brueks and Lieut. S. B. Haines, 1823.
46. Soonmiceanee Harbour, Lieut. C. W. Montriau, 1842.
47. Kurrahee Harbour, Lieut. A. M. Grieve, assisted by Lieuts. Coustonable and Barker, 1854. *2 sheets.*
48. Tidal Chart of the Indus from Manora Point to Kidewarry Mouth, and Memoir, Mr. W. A. Fenner, 1848-9.
49. Coast of Seinde and Kutch, Lieuts. A. M. Grieve and C. Y. Ward, 1848-50 (General Chart).
50. Coast of Seinde and Kutch, from the Kaka River to Mandavee, Lieut. A. M. Grieve and Assistants, 1848-50. *2 sheets.*
51. Gulf of Kutch, Lieut. A. D. Taylor and Assistants, 1851-2.
52. Bate Harbour, Lieuts. A. D. Taylor and R. Whish, 1851-2.
53. Coast of Kattywar, from Diu to Dwarka, Lieut. H. H. Whitelock, 1833.
54. Kattywar Coast, from Diu Head to Perim Island, Lieut. R. Ethersey, 1836. *2 sheets.*
55. Diu Harbour, Lieut. H. H. Whitelock, 1833.
56. Gulf of Cambay, Lieut. R. Ethersey, 1845.
57. Malacca Banks, Lieut. R. Ethersey, 1845.
58. Bombay Harbour, Lieut. R. Cogan and Mr. G. Peters, 1829. *2 sheets.*
59. Chronometric Survey, Bombay Bank of Soundings, Lieuts. W. B. Selby, R. W. Whish, and Assistants, 1849-50.
60. West Coast of India, Sheet 14, from  $26^{\circ} 13'$  to  $21^{\circ} 5'$ . Lieuts. J. Rennie, C. G. Constable, and R. Ethersey, 1852-5.
61. West Coast of India, Sheet 13, from  $19^{\circ} 25'$  to  $20^{\circ} 20' N.$ , Lieuts. J. Rennie, C. G. Constable, and R. Ethersey, 1837-55.
62. West Coast of India, Sheet 12, Kundaree Island to Arnol Island, Commander, W. B. Selby, 1855, and Lieut. Cogan, 1828.
63. West Coast of India, Sheet 11, Bancoot to Kundaree Island, Lieut. Cogan and Mr. Peters, 1828.
64. West Coast of India, Sheet 9, Achera River to Boira Pagoda, Lieut. A. D. Taylor, 1853-54.
65. West Coast of India, Sheet 8, Cape Ramus to Achera River, Lieut. A. D. Taylor, 1853-54.
66. West Coast of India, Sheet 7, Huddee Point to Cape Ramus, Lieut. A. D. Taylor and Assistants, 1855.
67. West Coast of India, Sheet 6, Purbidree to Bindoor Head, Lieut. A. D. Taylor and Assistants, 1856.
68. West Coast of India, Sheet 5, Mount Dilly to Malky, Lieut. A. D. Taylor and Assistants, 1856.
69. Malabar Coast, Sheet 4, Calicut to Mount Dilly, Lieut. A. D. Taylor and Assistants, 1857.
70. Malabar Coast, Sheet 3,  $9^{\circ} 50'$  to  $11^{\circ} 2'$  North latitude, Lieut. W. B. Selby, 1851-3.
71. Malabar Coast, Sheet 2,  $80^{\circ} 40'$  to  $9^{\circ} 53'$  North latitude, Lieut. W. B. Selby, 1850-52.
72. Malabar Coast, Sheet 1, Cape Comorin to Anjengo, Lieut. W. B. Selby, 1850-51.

73. Angenweel Harbour, Lieut. W. E. Rogers, 1826.
74. Sketch of Anchorage, Rutnagheriah, Lieut. C. W. Montriou.
75. Bay and Entrance to Rajapoor River, Lieut. C. W. Montriou and Assistants, 1844.
76. Viziadroog Harbour, Lieut. C. W. Montriou, and Assistants, 1844.
77. Dewghur Harbour, Lieut. C. W. Montriou and Assistants, 1844.
78. Goa and Murmagoa Roads, Captain D. Inverarity, 1816.
79. Calient Roads and Entrance to Beypoor River, Lieut. C. W. Montriou, 1846.
80. Coelhin River Entrance, Bar and Roadstead, Lieuts. A. D. Taylor and Mr. G. Lewis.
81. Laecadive Islands, Lieut. R. Moresby, 1828, and Lieuts. W. B. Selby and A. D. Taylor, 1848.
82. Maldeeve Islands, Commander R. Moresby and Lieut. F. T. Powell, 1835. *3 sheets.*
83. Maldeeve Islands, reduced.
84. Chagos Archipelago, Commander R. Moresby and Lieut. F. T. Powell, 1836.
85. Principal Groups in the Chagos Archipelago, Commander R. Moresby and Lieut. F. T. Powell, 1837.
86. Nautical Directions for the Maldeeve Islands and Chagos Archipelago, Commander R. Moresby.
87. Coast of Tinnevely, Mr. J. J. Franklin, R.N., 1842.
88. Coast of Madura, Lieuts. F. T. Powell, R. Ethersey, and Mr. J. J. Franklin, R.N., 1838.
89. Western Side of Palk Strait, Lieuts. F. T. Powell and R. Ethersey, 1838.
90. Roadstead and Harbour of Tuticorin, Mr. J. J. Franklin, R.N., 1842.
91. Paumben Pass, Lieuts. F. T. Powell and R. Ethersey, 1837.
92. Islands of Rameseram and Manaar, Lieuts. F. T. Powell and R. Ethersey, and Assistants.
93. West Coast of Ceylon, Mr. J. J. Franklin, R.N., and Lieuts. F. T. Powell and R. Ethersey, and Assistants. *4 sheets.*
94. Palk Strait and Gulf of Manaar, Lieuts. F. T. Powell, R. Ethersey, and Mr. J. J. Franklin, R.N., 1838 and 1845. *2 sheets.*
95. Pulicat and Arnegon Shoals, Capt. W. Maxfield, 1821.
96. Mootapilly Bay, Capt. C. Court, 1816.
97. Coromandel Coast from  $16^{\circ} 30'$  to  $18^{\circ} 45'$  N. lat., Lieut. Wm. Fell. *3 sheets.* 1848.
98. Coringa or Cocanada Bay, Lieuts. A. D. Taylor and E. R. May, 1857.
99. Balasore Roads, Entrance into the Hoogly, &c., Commander R. Lloyd, 1841.
100. River Hoogly, from Caleutta to Saugur Point, Commander R. Lloyd, 1836.
101. Mutlah River, Lieut. C. Y. Ward, 1855.
102. Sea face of the Soonderbunds, *3 sheets*, Commander R. Lloyd and Assistants, 1840.
103. Chittagong River, Commander R. Lloyd and Assistants, 1840.
104. Bay of Bengal, Capt. James Horsburgh.
105. Chittagong to Arracan River, Capt. Daniel Ross.
106. Coast of Arracan and Port of Akyab, Capts. D. Ross and R. Lloyd; additions by Capt. H. Weston and Lieut. Heathcote, 1857.
107. Arracan River, Lieut. R. Lloyd, 1832.
108. Arracan River to Foul Island, Capt. Daniel Ross, with additions by Commander R. Lloyd and Capt. E. P. Halstead, R.N., 1841.
109. Chednba Straits and Coast of Ramree, Capt. D. Ross, with additions by Commander R. Lloyd and Capt. E. P. Halstead, R.N., 1841.
110. Kyook Phyoo Harbour and Combermere Bay, Capt. D. Ross, 1832, with additions by Commander R. Lloyd and Capt. E. P. Halstead, R.N. 1841.
111. Coast of Ava from latitude  $18^{\circ}$  to Cape Negrais, Capt. John Crawford, 1826. *2 sheets.*
112. Eastern Peninsula of India, Capt. James Horsburgh. (Not transferred, being the property of the Horsburgh family.)

113. Preparis North Channel, Lieut. C. Y. Ward and Assistants, 1855.
114. Bassein River, Lieut. C. Y. Ward and Assistants, 1853.
115. Rangoon River, Lieut. C. Y. Ward, 1854.
116. Moulmein River and Eastern Coast of Gulf of Martaban, Lieut. W. Fell, 1847.
117. Coast of Pegu and Gulf of Martaban, Lieut. W. Fell, 1850.
118. Coast of Pegu and part of Tenasserim, compiled from surveys of Capts. D. Ross and J. Crawford, and Lieuts. W. Fell and C. Y. Ward.
119. Andaman Islands, Lieut. Archibald Blair, 1793. 4 sheets. Sheet 2 wanting.  
*See also page 580.*
120. Martaban to Tavoy Point, Capt. D. Ross, 1828. 2 sheets.
121. Moscos Islands, Capt. Charles Court, 1826.
122. Tavoy River, Lieut. R. Moresby, 1824.
123. Tavoy Point to Mergui, Capt. D. Ross, 1828.
124. Mergui Harbour, Commander R. Lloyd.
125. Mergui Archipelago, from Iron Island to the Sayer Islands, Capt. D. Ross, 1828, with additions by Commander R. Lloyd, 1839. 2 sheets.
126. Hastings Harbour (Mergui Archipelago), Capt. D. Ross, 1828.
127. Straits of Malacca and Singapore, Capt. James Horsburgh.
128. North Coast of Sumatra from Aeheen Head to Diamond Point, Commander Fell, 1851.
129. Penang Island and Harbour, Lieut. C. Y. Ward and Assistants, 1856.
130. Malacca Strait, Pulo Penang to Parcelar Hill, Lieut. C. Y. Ward and Assistants, 1858. 2 sheets.
131. North and South Sands, Malacca Strait, Lieut. C. Y. Ward and Assistants, 1852. 2 sheets.
132. Malacca Strait, Cape Rachada to Mount Formosa, Lieut. C. Y. Ward, 1855. 2 sheets.
133. Malacca Strait, Mount Formosa to Tanjong Bolus, Lieut. C. Y. Ward and Assistants, 1855. 3 sheets.
134. Singapore Harbour and Islands in its vicinity, Capt. D. Ross, 1827.
135. West Coast of Sumatra, Captain James Horsburgh.
136. Northern Pepper Ports (West Coast of Sumatra), Capt. S. Ashmore, 1821.
137. Croee Roads, Mr. McKellar, R.N., 1810.
138. East Coast of Sumatra, Lieuts. W. Rose and R. Moresby, 1822.
139. Channel Westward of Romania Reef, Capt. D. Ross, 1818.
140. Islands Eastward of Bintang, Capt. D. Ross, 1819.
141. Straits of Rhio, Durian, &c., Capt. James Horsburgh.
142. East Coast of the Malay Peninsula, Lieut. John Crawford, 1820.
143. Straits of Durian, Lieuts. W. S. Collinson, Hawkins, and R. Moresby, 1822.
144. Tanjong Bon and Pulo Barellah to the Southern Entrance of the Straits of Durian, Lieuts. W. S. Collinson and R. Moresby. 2 sheets, 1823.
145. Hechester Shoal, Capt. D. Ross, 1819.
146. Tract through the Straits of Billiton, Lieut. D. Ross, 1813.
147. Track Northward of Lucepara Island, &c., Lieut. D. Ross, 1813.
148. Straits of Banca and Gaspar, Capt. James Horsburgh.
149. East, North, and North-west Coast of Banca, Mr. J. J. Robinson, 1819.
150. Channel between Sumatra and Lucepara, Captain D. Ross, 1818.
151. Western Part of Pulo Leat, Capt. D. Ross, 1818.
152. Gaspar and Clements Straits, Capt. D. Ross, 1818.
153. Carimata Passage, Capt. James Horsburgh.
154. Tracks of the H.C.S. "General Harris," on her passage from China to Gaspar Straits, 1825.
155. Strait of Sunda, Capt. James Horsburgh.
156. Island of Thwart the Way, Capt. Maxfield and Lieut. J. S. Criddle, 1819.
157. Caloombyan Harbour, Lieuts. W. H. Hull and W. H. Johnston, R.N., 1818.
158. Rajah Bassa Road, Capt. W. Moffatt, 1815.
159. Samanga Bay, Lieuts. W. H. Hull and W. H. Johnston, R.N., 1818.
160. Straits of Bally, Lieut. John Crawford, 1816.
161. Plan of Macassar, Lieut. J. Crawford, 1814.

162. Track through the Gillolo Passage, Mr. W. R. Blakely, 1823.
163. China Sea. 2 *sheets*. Capt. James Horsburgh.
164. Tumbelan Islands. Lieut. D. Ross, 1814.
165. Natuna Islands.
166. Appo Shoal, Lieut. D. Ross, 1816.
167. Track of the "Antelope" on the West Coast of Palawan, Lieut. D. Ross, 1810.
168. General Chart of the Paracels. 2 *sheets*. Lieuts. D. Ross and P. Maughan, 1808.
169. Western Group of the Paracels, Lieut. D. Ross, 1808.
170. Amphitrite Islands, forming part of the Paracels, Lieut. D. Ross, 1808.
171. South Coast of China, west of Macao. 2 *sheets*. Lieut. D. Ross and P. Maughan, 1807.
172. Passages leading to the Macao Roads, Lieuts. D. Ross and P. Maughan, 1810.
173. Lintin to Bocca Tigris, Lieut. D. Ross.
174. Passages leading to the Lymoon, Mr. William R. Blakeley, 1830.
175. Canton River, Capt. James Horsburgh.
176. Longcet to Second Bar (Canton River), Lieuts. D. Ross and P. Maughan, 1815.
177. Second Bar Creek to Whampoa Reach (Canton River), Messrs. D. R. Newell and H. P. Auber, 1816.
178. South-east Coast of Hainan, Capt. D. Ross, 1822.
179. Coast of China, East of the Great Ladrone, Lieut. D. Ross, 1813.
180. Continuation of Ditto from Breaker Point to Lamock Islands, Lieut. D. Ross, 1816.
181. Harlem's Bay and part of the Coast of China, Lieut. D. Ross, 1812.
182. Tihen Pien or Tien Paek Harbour (South Coast of China), Lieut. D. Ross.
183. Harbour of Hui-ling-san (South Coast of China) Lieut. D. Ross.
184. Namu Harbour (South Coast of China), Lieut. D. Ross, 1807.
185. Ki-san-seu Harbour, Lieut. D. Ross, 1816.
186. Oie-hai-oie Harbour, Lieut. J. Crawford, 1816.
187. Killon Harbour and Merope's Bay (Island of Formosa), Lieut. G. Parkyns, R.N., and Mr. J. B. Livesay, 1824.
188. Gulf of Pe-tehe-lee, Lieut. D. Ross, 1816.
189. East Coast of China, Capt. James Horsburgh.
200. Eastern Passages to China. 3 *sheets*. Capt. James Horsburgh.
201. Track through Pitt's Passage and Dampier's Strait, Capt. James Horsburgh, 1793.

*Note.*—On the revival of the Indian Marine Surveys in 1874, Capt. A. D. Taylor ascertained that the foregoing Charts stood as follows :—

Charts corrected to 1861. No. 31.

" " to 1863. No. 37.

" " to 1865. No. 9, 10, 11, 12, 15, 17, 18, 19, 20, 21.

" " to 1866. Nos. 47, 48, 49, 50, 51, 52, 54, 55, 56, 58, 60, 61, 62, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 84, 85, 87, 90, 91, 94, 97, 98, 101, 102, 103, 104, 107, 109, 110, 113, 114, 115, 124, 125, 126, 128, 182, 183, 184.

" " to 1867. Nos. 33, 39, 45, 46, 82, 100.

" " to 1868. No. 22.

" " to 1874. No. 47.

\* \* The corrections appear to have been generally unimportant, the Indian Marine Surveys having been suspended.

Charts cancelled :—Nos. 14, 23, 24, 25, 34, 35, 36, 38 (lost), 40, 41, 42, 43, 44, 53, 57, 59, 63, 81, 83, 88, 89, 92, 93, 96, 99, 105, 106, 108, 111, 116, 117, 118, 119, 120, 122, 123, 127, 129, 132, 134, 135, 136, 137, 138, 139, 140, 141, 142, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 158, 160, 161, 162, 163, 164, 165, 166, 167, 168, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 185, 186, 187, 188, 189, 200, 201.

Since 1861, the current Charts of the Indian Seas have, for the most part, been published by the Admiralty, and a list of them is included in the Admiralty Catalogue. Some have been issued in Calcutta, of which the following are in the India Office:—

7. *Mr. Pearson's Charts, 1866–69.*

The ENTRANCE into RANGOON RIVER. Surveyed by Mr. W. Pearson, Bengal Marine, during the months of January and February 1866. *Scale, 1 inch to 1,000 yards; size, 36 inches by 50.*

COAST of CHITTAGONG. Surveyed by Mr. W. Pearson, Bengal Marine, assisted by Messrs. G. Chitty, A. J. Connor, and C. F. Noad. 1868–69. *Scale, 2 miles to 1 inch; on 2 sheets; size of each, 30 inches by 22.*

8. *Capt. A. Dundas Taylor's Charts, 1875.*

Charts by the Marine Survey Department of the Government of India, under the superintendence of Capt. A. D. Taylor, commencing November 1875:—

India, West, North Konkan. Sketch of the Entrance to RAJPURI RIVER, by Navigating Lieut. W. P. Haines, R.N., 1876. *Scale, 4 inches to 1 mile; size, 13 inches by 22.*

India, West Coast. Sketch of QUILON ROADS. By Lieut. A. Dundas Taylor, 1858. Calcutta, 1876. *Scale, 4 inches to 1 mile; size, 16 inches by 18.*

India, West Coast, Travankor. KOLACHEL ROADSTEAD and ENCIAM ROCKS. Surveyed by M. Chapman, I.N., 1875. *Scale, 10 inches to 1 mile; size, 40 inches by 27.*

India, East Coast. MADRAS ROADSTEAD. Surveyed by Nav. Lieut. F. W. Jarrad, R.N., Dep. Supt. Marine Survey of India, and Mr. P. J. Falle, Assistant Superintendent. October 1876. *Scale, 300 feet to 1 inch; size, 40 inches by 27.*

Bay of Bengal. CORINGA or COCANADA BAY, showing the Northern Godavery Mouths. Surveyed by Navigating Lieut. G. C. Hammond, R.N., and Assistants. 1875. *Scale, 2 inches to 1 mile; size, 40 inches by 27.*

Bay of Bengal. Orissa Coast. FALSE POINT ANCHORAGE, and Entrance to Baeood Creek and Jumboo River. Surveyed by H. A. Harris, Conservator of Orissa Ports. August and September 1875. *Scale, 1½ inch to 1 mile; size, 27 inches by 20.*

Bay of Bengal. HOOGLY RIVER, Luff Point to Anchoring Creek, showing the James and Mary Shoals, and the entrance to the Roopnarain River. Surveyed by Nav. Lieut. J. E. Coghlan, R.N., Dep. Supt., &c. April and May 1875.

Bay of Bengal, East Coast. British Burmah. TAVOY RIVER. From a sketch by Lieut. Robt. Moresby, late Bombay Marine, with corrections and additions by Comr. A. D. Taylor, Supt. Marine Surveys of India. 1876. *Scale, ¾ inch to 1 mile; size, 32 inches by 21.*

Bay of Bengal. Coast of Tenasserim (Siam). KOPAH INLET. From a sketch by Comr. A. Dundas Taylor, late I.N., and other documents. 1876. *Scale, ¾ inch to 1 mile; size, 27 inches by 20.*



Siam. West Coast Malay Peninsula. JUNKSEYLON, East Coast. Puket or Tonkah Harbour. Surveyed by Comr. A. de Richelieu, H.M. Siamese Navy. 1876. *Scale, 3 inches to 1 mile; size, 30 inches by 22.*

## II. SINGLE CHARTS PARTLY IN MANUSCRIPT.

### *Mediterranean Sea.*

SOUNDINGS obtained between MALTA and TRIPOLI and TRIPOLI and ALEXANDRIA preparatory to the laying of the ELECTRIC CABLE. By Captains Spratt and Mansell. With sections. 1861. *Size, 40 inches by 27.*

Another Chart of the same, with the Soundings and that part of the chart between Tripoli and Malta, in MS. The nature of the bottom is distinguished by colours, and also the approved line for the Cable. *Size, 20 inches by 56.*

### *Indian Ocean.*

CHART of the INDIAN OCEAN, from the Cape of Good Hope to Calcutta, including the Red Sea and the Persian Gulf, compiled from the most recent surveys of the East India Company's Officers and those of the Royal Navy, by John Walker, Geographer to the East India Company. London, 1845. *On 2 sheets; scale, about 130 miles to 1 inch; size, 50 inches by 40.*

### *African Coast.*

CHART of the TRACK of H.M.S. "Heron," Job Hanmer, Esq., Commander . . . to ascertain the existence of the bank reported by Lieut. West, of the sloop "Albion," and also the Telemaque Shoal, by James Fraser, Acting Master, 1822. *Size, 19 inches by 24. MS.*

Nineteen VIEWS of the AFRICAN COAST, in water colours, by J. Jopp, Ensign, Engineer, 1811. *On 1 sheet; size, 28 inches by 18. MS.*

A distant VIEW of JUAN DE NOVO (Island in Mozambique Channel) in water colours. *Size, 5 inches by 13. MS.*

A SKETCH of part of the EAST COAST of AFRICA, from Observations taken on board the Hon. Company's cruizers "Ternate" and "Sylph," by J. Jopp, Ensign, Engineers, 1811, between the Red Sea and Zanzibar. *On 2 sheets; size of each, 25 inches by 21. MS.*

### *Chagos Archipelago.*

A Plan of the HARBOUR of DIEGO GARCIA, from a Survey under the direction of Captain Conrad Sartorius. No date. *Size, 40 inches by 27. MS.*

### *Seychelles Archipelago.*

An exact Map of the HARBOUR of PRASLIN, from an actual Survey and Astronomical Observations in July, 1771. *Size, 18 inches by 23. MS.*

*Laccadives.*

CHART of the ISLANDS and REEFS at the Northern part of the LACCADIVE GROUP, with the Padua and Sesostris Banks, by Lieut. W. B. Selby and A. D. Taylor and Assistants, Indian Navy. 1848. *Size, 26 inches by 38.* MS.

A Trigonometrical Survey of the BYRAMGORE REEF or CHE-REAPANI, the westernmost danger of the Laccadives. By Lieuts. W. Selby and A. D. Taylor, &c. 1848. *Scale, 1,000 yards to 1 inch; size, 27 inches by 30.* MS.

*See also No. 81, page 592.*

*Red Sea.*

A Chart of the RED SEA, from latitude  $20^{\circ}$  N. to SUEZ, from Capt. Court's Survey; drawn by J. Byers. 1805, received in 1809. *Size, 33 inches by 27.* MS.

Capt. Court's SURVEY of the RED SEA, latitude  $15^{\circ}$  to  $18^{\circ}$  N. With views of Ras Gedam and Mirza Mumbarraek. Drawn by J. Byers. 1805. *Scale, 8 miles to 1 inch; size, 27 inches by 34.* MS.

Capt. Court's SURVEY of the RED SEA, latitude  $18^{\circ}$  to  $21^{\circ}$  N., with a view of the land about Port Mornington. In continuation of the foregoing.

Capt. Court's SURVEY of the RED SEA, a Plan of the narrow Straits of Babelmandeb, with a view. *Scale,  $1\frac{1}{2}$  inches to 1 mile; size, 15 inches by 19.* MS.

A Chart of the COAST of ABYSSINIA, from Ras Bieloul to Mas-sowah, by Lieut. Maxfield, of H. C. Marine. Dedicated to Lord Valentia. 1805. *Size, 19 inches by 26.* MS.

A Trigonocatenary SURVEY of the HARBOUR of MASSOWAH, by Lieut. W. Maxfield, H.C. Bombay Marine. 1805. *Size, 16 inches by 18.* The original and a copy. MSS.

Chart of the Coast of ABISSINIA and NUBIA, from  $13^{\circ}$  to  $20^{\circ}$  N. Lat. and from  $37^{\circ} 26'$  to  $42^{\circ} 44'$  E. Longitude. Made at the expense of the East India Company in their cruizers Panther and Assay, by Charles Court and William Maxfield, Lieuts. in the Bombay Marine. 1804, 1805. (Dalrymple.) *Size, 20 inches by 26.*

Sketch of MASSOWAH HARBOUR. By Lieut. R. W. Whish, Indian Navy. 1854. *Size, 11 inches by 8.* MS.

Sketch of HODEIDAH ROADS. By Lieut. R. W. Whish, Indian Navy. 1854. *Size, 13 inches by 9.* MS.

CHART of the RED SEA from JUDDA to SUEZ, on Mercator's Projection. Surveyed in the Hon. Company's brig "Palinurus," Robert Moresby, Esq., Commander, in the years 1830, 31, 32. *Size, 26 inches by 38.* MS.

Trigonometried SURVEY of MOCHA ROADS, with a View; executed in H. C. steamer "Palinurus" under the direction of Acting-Commander T. B. Haines, I.N., assisted by Lieuts. Sanders, Jardine, and Sheppard, and Mids. Ball, Stevens, Rennie, Grieve, and Barrow of the Indian Navy. 1836. *Scale, 3 inches to 1 mile; size 33 inches by 29.* MS.

STRAITS of JUBAL, or entrance to the SEA of SUEZ, compiled from different records of the Survey in the Government Chart Office, Bombay, by Lieut. E. F. T. Fergusson, I.N., Draughtsman to the Indian Navy. 1853. *Scale, 2 miles to 1 inch ; size, 30 inches by 42. MS.*

SURVEY of the COAST and ISLANDS to the Westward of JUBAL. *Scale, 2 miles to 1 inch ; size, 23 inches by 25. MS.*

### *Arabian Gulf.*

A Trigonometrical SURVEY of the Entrance to the RED SEA, in the Hon. Company's surveying vessel "Palinurus," by Commander T. B. Haines, I.N., with views. *Scale, 1 inch to 1 mile ; size, 42 inches by 29. MS.*

The SOUTH-EAST COAST of ARABIA on Mercator's Projection, compiled from Trigonometrical Surveys by Commanders Haines and Sanders and Lieut. A. M. Grieve, Indian Navy. Sheet 2, drawn by Lieut. Grieve. 1848. *Scale, 10 miles to 1 inch ; size, 30 inches by 47. MS.*

Working Sheet of the ARABIAN COAST, corrected by Capt. S. B. Haines, Indian Navy. To accompany the second part of his Memoir. Between Ras Furtuk and Ras el Had. 1844. *Scale, 20 miles to 1 inch ; size, 25 inches by 30. Lith.*

Trigonometrical SURVEY of the AFRICAN COAST, from Jibul Jarne to Sayara, executed in the H. C. brig of war "Euphrates," by her Commander Lieut. W. C. Barker, assisted by Lieut. W. Christopher, I.N. 1841. With views. *Scale, 4 miles to 1 inch ; size, 28 inches by 51. MS.*

Chart of the ISLANDS Westward of SOCOTRA, surveyed by Lieut. A. M. Grieve and others, in H. C. B. "Palinurus." 1848. *Scale, 4 miles to 1 inch ; size, 30 inches by 52. MS.*

Chart of the GULF of ARABIA on Mercator's Projection. Compiled from Surveys made by Officers of the Indian Navy, by Lieut. Fergusson, I.N., F.R.A.S., Draughtsman, I.N. 1852. *Scale, 20 miles to 1 inch ; size, 30 inches by 52. MS.*

Trigonometrical Survey of the MUSSAHH ISLANDS (Tejurah Bay), taken possession of in the name of Her most Gracious Majesty Queen Victoria, and trigonometrically surveyed by Lieut. W. C. Barker, I.N., commanding H.E.I.C. Brig "Euphrates," September 1840. *Scale, 1 inch to 1 mile ; size, 16 inches by 20. MS.*

### *Persian Gulf. General Charts.*

Chart of the GULF of PERSIA, constructed \* \* by \* \* George Barnes Brucks, Commr. H.C. Marine, 1830. With the Persian and Arabic names written by hand in the Oriental character in red ink. On 2 sheets.

A LIST of NAMES of POSITIONS on both sides of the PERSIAN GULF, BAGHDAD, 25th February, 1836. Fcap. folio, sewed. MS.

ARABIC CHARACTERS to accompany and for insertion in the Chart of the Persian Gulf. 1825. On one leaf, demy folio. MS.

*Persian Gulf, Arabian Coast.*

Trigonometrical Plan of the SUMMITS of the QUOINS and ISLANDS that form what is commonly called CAPE MUSSELDOM, on the Southern side of the Entrance of the Persian Gulf, by P. Maughan, Commander, H. C. Marine. 1821. *Size, 28 inches by 21. MS.*

. . Chart of the SOUTH COAST of the PERSIAN GULF from Shaum to Ul Umrah . . . by Philip Maughan, Commander, H. C. Marine. 1821, Drawn by Lieut. Houghton. *Size, 30 inches by 50. MS.*

VIEWS by Lieut. M. Houghton, I.N. :—

1. Coast of Arabia, taken at anchor in 15 fathoms about a mile distant from Shaum.

2. Sketch of the Arabian Coast between Raumps and Ras-el-Khyma in five fathoms.

*Size of each, 21 inches by 29. MSS.*

A Plan of the BACKWATERS of RASULKYMA, with the Soundings off the Entrance, by Lieut. Brucks. *Scale, 7 inches to 1 mile; size, 15 inches by 21. MS.*

Trigonometrical Plan of the BACKWATERS at RAS-AL-KYMA, by Lieut. J. M. Guy. 1822. *Size, 25 inches by 33. MS.*

Trigonometrical Plan of the BACKWATER at UL UMRAH (Jez-el-Hamrá) on the Arabian side of the Persian Gulf, by Lieut. Cogan, under the direction of Lieut. J. M. Guy, H. C. Marine. 1822. *Size, 27 inches by 25. MS.*

Trigonometrical Plan of the BACKWATERS at AMULGAWEIN (Um-el-Kaiwein), by Lieut. G. B. Brucks, under the direction of Lieut. J. M. Guy, H. C. Marine. 1822. *Scale, 4½ inches to 1 mile; size, 26 inches by 34. MS.*

Trigonometrical Plan of the Entrance of the BACKWATER at AYMAUN ('Ajmán), by Lieut. R. Cogan, under the direction of Lieut. J. M. Guy, H. C. Marine. 1822. *Size, 18 inches by 22. MS.*

Trigonometrical Plan of the BACKWATER at SHARJA (esh-Shàrikah), by Lieut. Cogan, under the direction of Lieut. J. M. Guy, H. C. Marine. 1822. *Size, 20 inches by 24. MS.*

Plan of the BACKWATER of DEBAI (Dabai) on the Arabian side of the Persian Gulf, by Lieut. R. Cogan, under the direction of Lieut. J. M. Guy, H. C. Marine. 1822. *Size, 20 inches by 22. MS.*

Trigonometrical Survey of the SHORES of and the SOUNDINGS off the Entrance to ABOTHUBBEE (Abu-Zháby or es Sir) on the Arabian side of the Persian Gulf, by Lieuts. J. M. Guy and G. B. Brucks, H. C. Marine. 1826. *Size, 27 inches by 32. MS.*

Plan of the ISLAND and HARBOUR of BENI YASS (Sir Benu-Yâs), by Lieuts. G. B. Brucks and R. Cogan. 1822. *Size, 21 inches by 29. MS.*

Trigonometrical Survey of CORE ALLADEID (Khôr el 'Udâid) on the Arabian side of the Gulf of Persia, by Lieuts. J. M. Guy and G. B. Brucks, H. C. Marine. 1823. Drawn by Lieut. M. Houghton, H.C.M. *Size, 29 inches by 20. MS.*

Trigonometrical Plan of the HARBOUR of EL BIDDAA (Bid'aa) on the Arabian side of the Persian Gulf, by Lieuts. J. M. Guy, and G. B. Brucks, H.C.M. 1823. With a view from the anchorage. *Size, 30 inches by 38.* MS.

Trigonometrical Plan of CORE SHEDEITCH on the Arabian side of the Persian Gulf, by Lieuts. J. M. Guy and G. B. Brucks, H.C.M. 1823. *Size, 22 inches by 24.* MS.

Part of the RUWEIS at JEBAL, compiled from the surveys of Captains Guy and Brucks in 1821-28, by Comr. Constable and Lieut. Stiffe, with the proposed track of the Telegraph Cable, south of Cape Musondom. To accompany Letter No. 29, by P. Stewart. October 20th, 1862. *Size, 15 inches by 11.*

KHOR as SHEM, with proposed Telegraph Track, an enlargement of part of the foregoing. *Size, 14 inches by 20.* MS. On tracing cloth.

### *Makrân Coast.*

A Trigonometrical Survey of JASK (Jashak) BAY and the PERSIAN COAST to Kohombarak or Bombarick (Kor Mubarâk) Rock, showing a dangerous rocky shoal. Reduced to a chart on Mercator's Projection, by Capt. Henry William Sealy of the Bombay Artillery. 1811. *Scale, 2 miles to 1 inch; size, 20 inches by 27.* MS.

JASHK SHOAL. Surveyed by Lieut. A. W. Stiffe, I.N. Dec. 1862. *Size, 14 inches by 12.* MS.

MAKRAN COAST. Compiled from the surveys of the following officers of the late Indian Navy:—Capts. G. B. Brucks, S. B. Haines, T. G. Carless A. Grieve, C. G. Constable, and A. W. Chitty. The principal points astronomically corrected, and numerous additions made by Lieut. A. W. Stiffe, late I.N., F.R.A.S 1874. Tracing from original MS. *Size, 27 inches by 44.*

### *Western India.*

*McCluer's General Chart of Western India, on three sheets.*

1. Chart of Part of the COASTS of INDIA and GUZERAT, from a survey made by order and at the expense of the East India Company. By John McCluer. 1788. (Poorbunder in Kattywar to Zyghur in the Concan.) Published by A. Dalrymple for the Admiralty.
2. Chart of Part of the MALABAR COAST; from a survey made by order and at the expense of the East India Company. By John McCluer. 1789 and 1790. (Bombay to Carwar.) Published by the Admiralty.
3. Chart of Part of the MALABAR COAST and Part of the LACCADIVES; reduced from a survey made by order and at the expense of the East India Company. By John McCluer. 1790. (Cape Ramas to Cape Comorin.) With additions to 1833. Published by the Admiralty.

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Track Chart of the COAST of WESTERN INDIA on Mercator's Projection, compiled partly from recent Surveys, partly from the Grand Trigonometrical Surveys of India, and partly from McCluer's Charts and other authentic records and plans in the Government Chart Office, at Bombay. By Lieut. Ferguson, I.N., F.R.A.S., Hydrographer, Indian Navy. London and Bombay, 1856. *On 2 sheets; scale, about 30 miles to 1 inch; size, 44 inches by 31.*

*Cutch.*

GULF of CUTCH, by Lieut. A. D. Taylor, I.N. 1851. *Scale, 1 inch to 2,000 yards. On 4 sheets. MS.*

GULF of KUTCH, on 4 sheets. By Lieut. A. D. Taylor, I.N. 1851. *Scale, 1 inch to 2,000 yards; size, 27 inches by 40.*

A Survey of the CREEKS at the Head of the GULF of KUTCH. By Lieut. A. D. Taylor and R. W. Whish, of the Indian Navy, &c. 1851. *Scale, 1 inch to 4,000 yards; size, 27 inches by 20.*

GOORIYA CREEK (CUTCH). Surveyed by Lieut. A. M. Grieve, Messrs. Barker and Shairp, Mn. I.N. 1848. *Scale, 2 inches to 1 mile; size, 20 inches by 27.*

A Trigonometrical Survey of MANDAVIE ROADS (CUTCH), with adjacent reefs. By Lieut. W. B. Selby and Mr. A. D. Taylor, Assistant Surveyors of the Indian Navy, &c. 1847. Drawn by A. D. Taylor. *Scale, 2 inches to 1 mile; size, 39 inches by 27.*

*Kattywar.*

KATTYWAR COAST, on 3 sheets. By Lieut. G. G. Constable and Midn. A. W. Stiffe, I.N. 1853. *Scale, 2,000 yards to an inch; size, 44 inches by 35.*

OKHA COAST (KATTYWAR). Surveyed by Lieut. C. G. Constable and Midn. A. W. Stiffe, I.N. 1852. *Scale, 2,000 yards to an inch; size, 30 inches by 22.*

A Trigonometrical SURVEY of the ISLAND of DIU (KATTYWAR). By Lieut. R. Ethersey. 1836. *Scale, 2 inches to 1 mile; size, 20 inches by 27.*

*India and Ceylon, West Coast.*

A Survey of VIZIADROOG or GERIAH HARBOUR, by C. W. Montriou, Lieut., I.N., assisted by Mr. A. D. Taylor, Mid., I.N. 1844. With a sketch of the entrance. *Scale, 500 yards to 1 inch; size, 25 inches by 29. MS.*

Plan of VIZIADROOG, showing the direction and ranges of the 8-inch General Millar's 65 cwt. guns, &c., by C. W. Montriou, Lieut., I.N. *Scale, 500 yards to 1 inch; size, 18 inches by 22. MS.*

A Survey of ANGRIA'S BANK. By Lieuts. Selby and A. D. Taylor, Indian Navy. 1847. *Scale, 2 miles to 1 inch; size, 24 inches by 21. MS.*

Chart of SUDASAGHUR BAY, by A. D. Taylor, Lieut., I.N. *Scale, 500 yards to 1 inch; size, 40 inches by 36. Lith.*

Chart of SEDASHIGUR BAY. 1855. By Lieut. A. D. Taylor and M. A. Sweny, assisted by Messrs. E. R. May, J. B. Bewsher, and R. Williams, Indian Navy. Engraved, by J. Walker, 1861. *Scale, 1 inch to 1,000 yards; size, 23 inches by 30.*

Plan of the proposed PORT of SUDASEWGHUR. Lithographed at the Revenue Survey Press, Dharwar, 1855. *Scale, 1 inch to 1,000 yards; size, 10 inches by 16.*

Enlarged Chart of BEITKUL COVE and VICINITY. *Scale, 250 yards to 1 inch; size, 10 inches by 16.*

BEITKOOL COVE and CARWAR HEAD, on a scale of 1 inch to 1,000 feet, by Lieuts. Taylor and Williams, Indian Navy. 1858. *Size, 52 inches by 29.* MS.

Plan and Sections of the Breakwaters, Canal of Communication, Road, and other works included in the project for a HARBOUR in BAITKUL BAY. June 1859. *Scale, 3½ inches to 1 mile; size, 24 inches by 30.* MS.

Sections of the Main Breakwater and Island Breakwaters. SUDASUGHUR BAY.\* *Scale, 18 feet to 1 inch; size, 8 inches by 14.* MS.

PLANS, signed James Abernethy, and referred to in his report of 26th October 1860:—

- (1.) Proposed Breakwaters in Sedashighur Bay. *Scale, 1,500 feet to 1 inch; size, 21 inches by 34.*
- (2.) Sedashighur Bay. Design for Breakwater. *Scale, 8 feet to 1 inch; size, 23 inches by 36.*

No. 2. Plan of BEITKUL COVE in SUDASAGHUR BAY. 1855. By A. D. Taylor, Lieut., I.N. *Scale, 1 inch to 250 yards; size, 16 inches by 21.* Lith.

Proposed BREAKWATERS in SEDASHIGHUR BAY, referred to in Report dated Oct. 26th, 1860, by Jas. Abernethy. *Scale, 1,500 feet to 1 inch; size, 25 inches by 38.* MS.

Lieut. Taylor's Plan for a COMMERCIAL HARBOUR in BEITKUL COVE. *Scale, 500 feet to 1 inch; size, 22 inches by 29.* MS. tracing cloth.

The ISLANDS, BAYS, and HEADLANDS to the SOUTHWARD of CARWAR HEAD, including Anjediva Island, which belongs to the Portuguese. 1857. By Lieut. A. D. Taylor, assisted by Messrs. May, Williams, and Lewis, Indian Navy. *Scale, 1 inch to 1,000 feet; size, 22 inches by 30.* MS.

TELLICHERRY FORT and ROCKS on the MALABAR COAST. By Lieut. A. D. Taylor and Mr. G. Lewis, Indian Navy. 1857. *Scale, 1 inch to 100 yards; size, 33 inches by 27.*

A Survey of CALICUT ROADS and the Entrance to BEYPOOR RIVER, by Lieut. C. W. Montriou, I.N., assisted by Mr. A. D. Taylor, Mid., I.N., 1846. *Scale, 1 inch to 1,000 yards; size, 24 inches by 22.* MS.

A Chart of the SOUTHERN COAST of INDIA and the ISLAND of CEYLON, exhibiting the Gulf of Manaar, on Mercator's Projection, by Lieut. Fergusson, I.N., F.R.A.S., Hydrographer, Indian Navy. 1856. *Size, 30 inches by 40.* MS.

A Chart of COLOMBO, Ceylon. Present to Capt. Horsburgh by Mrs. Crisp, Master's attendant. 1815. *Size, 23 inches by 31.* MS.

\* Referred to in letter to Secretary of State, No. 28, of 1860.

*Pamban Passage.*

Trigonometrical Survey of the ISLANDS RAMESERAM and MANAAR, including Adam's Bridge between the continent of India and the island of Ceylon. By Lieuts. F. G. Powell and E. Ethersey, assisted by Lieut. J. F. Jones, Acting Lieuts. W. Christopher, and Messrs. Selby, Grieve, and King, Midshipmen, Indian Navy. *Scale, 2 miles to 1 inch; size, 22 inches by 32. With numerous soundings.* MS.

\* \* This chart was found in the Marine Department, Bombay, by Capt. A. D. Taylor, and brought by him to the India Office in 1874, when it was seen by Capt. Felix Jones, who wrote the following note on it:—"I have seen this map to-day, and am greatly surprised to learn that it has not been published with the map of the Pamban Channel engraved long ago, and to which this map is an important accompaniment. More over the coast of Ceylon from 8° 50' N. to Point de Galle on large scales under my own hand, as well as similar large scale sheets of the coasts of Palk Bay from Pamban to Pt. Calymere, never appear to have been published. The question is, Where are my original sheets deposited in the Bombay Offices for transmission to Madras in 1839?"

Plan of the PAUMBAN PASSAGE, 1834. *Scale, 1½ mile to 1 inch; size, 16 inches by 17.* MS.

Chart of the PAUMBUM PASSAGE and CHANNELS to the southward. *Scale, 200 yards to 1 inch; soundings in feet; size, 49 inches by 40.* MS.

Chart of the Passage between MANAR and CEYLAN, by John Wedgbrough, 1796. (Dalrymple.) *Size, 20 inches by 26.*

Chart of the Northern part of the GULF of MANAAR, by John Wedgbrough, from observations made by him and Samuel Snook, when officers in the East India Company's Cruiser Queen, in 1795 and 1796. The northern part of Ceylan and Manaar Island, from a Dutch MS. 1789. (Dalrymple.) *Size, 26 inches by 34.*

Sketch showing the different Plans proposed for opening a Passage through the PAUMBAN STRAITS. Signed, W. Monteith, Colonel, Chief Engineer, Dec. 20th, 1837, No. 1. *Scale, 1½ mile to 1 inch; size, 10½ inches by 13.* MS.

No. 3. Plan and Soundings of the Passage through the Sandbank at PAUMBAN. MS.

No. 4. View of TONITORY from PAUMBAN. MS.

No. 5. Soundings taken in the SMALL CHANNEL, 1837. MS.

PAUMBEN PASSAGE. See FORT ST. GEORGE MARINE, No. 12 of 1845. *Size, 15 inches by 10.* MS.

Plan of the PAUMBAN CHANNEL through the Reefs and HORSE-SHOE BANK, taken on the 19th and 20th of June 1845. G. C. Collyer, Lieut. Assistant Civil Engineer. *Scale, 100 feet to 1 inch; size, 22 inches by 58.* MS.



Plan of the PAUMBEN REEF CHANNEL, with part of the ISLAND of RAMISSERAM, showing the position of the Lighthouse. Signed, Colin Gib, Lieut., 5th April 1849. *Scale, 200 feet to 1 inch; size, 40 inches by 27.* MS.

Chart of the PAUMBEN CHANNEL and LINE of COAST as taken by Capt. Horsley in the month of June 1850. *Scale, 300 feet to 1 inch; size, 26 inches by 26.* MS.

Plan of PAUMBEN CHANNEL showing the Soundings as taken by Captain Horsley in June 1850. *Scale, 100 feet to 1 inch; size, 15 inches by 43.* MS.

### *Bay of Bengal. General Charts.*

Chart of the BAY of BENGAL, including plans of the Principal HARBOURS, drawn from surveys made by order of the Hon. East India Company, the Board of Admiralty, &c. By James Imray & Son. 1853. *Size, 40 inches by 54.*

Chart of the BAY of BENGAL, compiled chiefly from surveys of the Officers of the Hon. East India Company, by John Walker, Geographer to the Company. W. H. Allen and Co., 7 Leadenhall St., London, 1858. *On 2 sheets; size of each, 40 inches by 27. Western sheet only.*

### *Bay of Bengal, West Coast. Madras.*

Plan exhibiting the several ANCHORAGES in the MADRAS ROADS. Inscribed to Sir John Cam Hobhouse, President, Board of Control. By John Findley Mackennie. With sections of the Breakwater, taken in May 1839, and proposals for hauling a boat or catamaran over the surf. *Scale, 900 feet to 1 inch; size, 26 inches by 34.* MS.

### *Madras Pier.*

SOUNDINGS and MEASUREMENTS made at MADRAS, in January 1857, for a proposed pier, in three sections, in the vicinity of Arbutnot's Groyne. By Elisha Howell, General Superintendent, P.W.D. *Scales, 80 fathoms and 40 feet to 1 inch; size, 11 inches by 25.* MS. tracing.

Plan and Longitudinal Section of proposed PIER at Madras. April 1859. *Scales, 60 feet and 30 feet to 1 inch; size, 22 inches by 28.* MS. tracing.

MADRAS PIER. Plan, Elevations, and Transverse Sections. Signed Frederick Johnson, January 31st, 1859. *Scale, 10 feet to 1 inch; size, 33 inches by 140.* MSS. 6 copies; 2 on tracing cloth, 3 on tracing paper, 1 mounted.

MADRAS PIER. Plan (of roadway) as first proposed (1856) and as now being carried out. 1858. *Scale, 10 feet to 1 inch; size, 10 inches by 19.* Tracings. MS.

Transverse Section of Superstructure in Main Pier. *Size, 18 inches by 67.* On tracing paper. MS.

Section of the MADRAS PIER, from the 42nd to the 64th Rows, showing the respective lengths of the piles and the depth to which each was imbedded in the sand on different dates. 1860-61. *Scale, 10 feet to 1 inch; size, 16 inches by 37.* On tracing cloth. MS.

**MADRAS PIER.** Plan of Roadway and Elevation of Screw Pile Pier at the shore end. Received from Mr. Gilbert, March 26, 1860. No title. *Size, 26 inches by 50. MS.*

Plans in connexion with the **MADRAS PIER JUNCTION**, dated 10th May 1861. Prepared at the request of the Pier Committee, *vide* their Chairman's Letter, No. 8, dated 17th November 1860:—

No. 1. Plan of the Junction of the Pier with the Beach Road and Sea Customs' Premises at Madras. Also showing the proposed new export sheds, and the lines of railway, position of turntables, sidings, &c. *Scale, 16 feet to 1 inch; size, 30 inches by 46.*

No. 2. Plan, &c. of export sheds, proposed at the Sea Customs, in connexion with the Pier, Madras. *Scale, 16 feet to 1 inch; size, 21 inches by 38.*

No. 3. Proposed Traverser Wagon for inside of Custom House, in connexion with the Madras Pier Junction. *Scale, 1 foot to 1 inch; size, 16 inches by 20.*

No. 4. Detailed plan of a panel of iron railing proposed to be erected 'around the new export sheds, in connexion with the Madras Pier Junction. *Scale, 1 foot to 1 inch; size, 16 inches by 20.*

No. 5. Plan of a gateway proposed for the Sea Customs and Pier Junction at Madras. *Scale, 1 foot to 1 inch; size, 24 inches by 28.* On tracing cloth. MSS.

### *Madras Breakwater.*

**Mr. R. Chisholm's Design for a BREAKWATER at MADRAS:—**

- (1.) Map of the Madras Roads showing proposed Breakwater (from a Chart surveyed by Lieut. M. A. Sweny, Indian Navy, dated 1859). *Size, 18 inches by 23.*
- (2.) Cross Section of Breakwater in 7 fathoms. *Scale, 6 feet to 1 inch; size, 19 inches by 25.*
- (3.) Elevation of proposed Breakwater, showing the various stages of the process of construction. *Scale, 6 feet to 1 inch; size, 20 inches by 25.*
- (4.) Diagrams showing the effect of waves, and the comparative sections of two different forms of breakwaters. *Scale, 20 feet to 1 inch; size, 19 inches by 27.* On tracing cloth. MSS.

**Chart of the MADRAS ROADS**, showing the position of the proposed Breakwater. Designed by M. de Cloolts and Col. Orr, and approved by Committee. 1869. *Scale, 300 feet to 1 inch; size, 72 inches by 37.* On tracing cloth. MS.

**MADRAS BREAKWATER.** Committee's Report. Detail Drawing of Pier proposed to be constructed in front of the Railway Terminus, to facilitate the construction of the Pier (? breakwater). *Scale, 4 feet to 1 inch; size, 46 inches by 36.* On tracing cloth. MS.

**Design for ARMED BREAKWATER for MADRAS.** Signed George Wells, C.E. *Size, 28 inches by 24.* On tracing cloth. MS.

### *Designs for a Harbour at Madras.*

**Design for an ENCLOSED HARBOR at MADRAS**, by T. M. Rymer Jones. 1868.

No. 1. General Plan. *Scale, 300 feet to 1 inch; size, 22 inches by 26.*

No. 2. Elevations of Breakwaters. *Scale, 80 feet to 1 inch.* With an enlarged view, *on a scale of 10 feet to 1 inch; size, 22 inches by 34.*

No. 3. Sections of Jetties. *Scale, 8 feet to 1 inch; size, 23 inches by 33.*

No. 4. Comparative Sections of various breakwaters adapted to Madras. *Scale, 40 feet to 1 inch; size, 22 inches by 27.* On tracing cloth. MSS.

Mr. Taylor's design for a BOAT HARBOUR at MADRAS, on 2 Sheets. *Size of each, about 10 inches by 14. On tracing cloth. MSS.*

Design for an ENCLOSED HARBOUR at MADRAS, proposed by Mr. William Fraser, C.E. December 1868.

- (1.) Map of part of Madras, with general plan of Enelosed Harbour, and Section and Elevation of Jetty. *Scales, various; size, 36 inches by 48, with an attached slip.*
- (2.) Drawing of Soundings taken at different times alongside the Serew Pile Pier, Madras, showing the variation in the bed of the Sea from the shifting of loose sand. *Scales, 10 feet and 5 feet to 1 inch; size, 14 inches by 128. On tracing cloth. MSS.*

Design for a proposed HARBOUR for MADRAS, by Samuel Parkes, C.E. Novr. 30th, 1868. *Scale, 300 feet to 1 inch; size, 28 inches by 41. On tracing cloth. MS.*

MADRAS ROADSTEAD. 1876. *See India Marine Charts, page 595.*

Survey of part of the CORAMANDAL COAST from ENNORE to ARMOGHAM, including the Pulecat and Armogham Shoals, by Lieut. W. Fell, I.N. 1846. *Scale, 2,000 yards to 1 inch; size, 57 inches by 26. MS.*

Survey of the WESTERN COAST of the BAY of BENGAL from NIZAMPALAM to CORINGA, also of part of the RIVERS KISTNA and GODAVERY, made under the superintendence of the late Marine Surveyor, Mr. Michael Topping. Signed, J. Goldingham, Marine Surveyor. 1796. *Scale, 2½ miles to 1 inch; size, 38 inches by 53. MS.*

A Plan of the FLAT in CORINGA BAY. By Lieut. John Warren. 1805. *Scale, 4 inches to 1 mile; size, 19 inches by 27. MS.*

Chart of CORINGA BAY, surveyed by Lieut. Wm. Fell, I.N. 1846. *Scale, 1,000 yards to 1 inch; size, 31 inches by 25. MS.*

An old Sketch of the COAST on the north and south of VIZAGAPATAM. *Size, 15 inches by 9. MS.*

Plan of the PORT and ROADSTED of VIZAGAPATAM, by Richard John Colgrave, Captain Supg. Engineer. Jan. 12, 1807. With a view of the sand in 9 fathoms sounding. *Scale, 4 inches to 1 mile; size, 19 inches by 29. MS.*

Part of the COASTS of BENGAL and ORIXON, with Soundings by Plasted. *See Sect. Cons. 17th Oct. 1776. MS.*

Part of the COAST of ORISSA, surveyed February 1778 by John Ritchie. Between Marsipore River and Kannaka River, Point Palmyras. *Scale, 2 miles to 1 inch; size, 19 inches by 45. MS.*

A new Plan of Part of the COAST of ORISSA, surveyed by Robt. Knox. 1805. No. 2. Between Juggernaut Pagoda and the Mahanndi River. With notes and observations. *Scale, 1 mile to 1 inch; size, 39 inches by 60. MS.*

Survey of the ISLAND of MYPURRAH, the eastern extremity of Point Palmyras. With reference to a site for a lighthouse. By Capt. H. Carmichael Smyth. 1812. *Scale, 50 yards to 1 inch; size, 23 inches by 26.* MS.

Survey of the BAY of BENGAL from GANJAM to CHITTAGONG, by John Ritchie. 1768–1770. No title, &c. In two pieces. *Scale, 4 miles to 1 inch; size, 26 inches by 110.* MS. See page 548.

*Bay of Bengal, Head of the Bay.*

A Chart of the Head of the BAY of BENGAL, from surveys taken in the years 1768, 1769, and 1770, by John Ritchie, Surveyor. Drawn by J. Rennell, Surveyor-General. With a plan of Bominy Harbour (Fenny River) on the coast of Chittagong, 1770, enlarged. *Scale, 5 miles to 1 inch; size, 34 inches by 63.* MS.

A Chart of the COAST of BENGAL, surveyed in the years 1767, 1768, and 1769, by Messrs. Plaisted and Ritchie. Drawn by J. Rennell, Surveyor-General. *Scale, 4 miles to 1 inch; size, 36 inches by 66.* MS.

A Chart of the NORTHERN PART of the BAY of BENGAL, laid down chiefly from the surveys made by Bartholomew Plaisted and John Ritchie. Published by Alex. Dalrymple, 1772. *Scale, 20 miles to 1 inch; size, 20 inches by 26.*

Chart of the NORTHERN PART of the BAY of BENGAL, compiled from the most recent surveys by Commander Richard Lloyd, I.N., Officiating Marine Surveyor-General. 1840. With notes. *Scale, 8 miles to 1 inch; size, 26 inches by 60.*

Gulf of Bengal. PALMYRA POINT to CHITTAGONG. By Capt. Richard Lloyd, Indian Navy, 1840. With the following insertions:—1. A sketch map of the Bar of the River Hooghly from the latest surveys of Mr. A. Bedford, November 10, 1854, published with the Report, &c. of the Committee appointed by Lord Dalhousie to inquire into the state of the Hooghly. 2. Chart of Akyab, the port of the Arracan Rivers. 3. Sketch map of the Tea and Coal localities in Assam, also Coaling Stations of Government Steamers on the Bramaputra above Dacea, with distances. Also notes on trade and navigation. *Scale, 10 miles to 1 inch; size, 27 inches by 40.*

A Survey of the REEF and POINT of PALMIRAS. By Capt. Charles Court, Marine Surveyor in Bengal. Horsburgh, 1817. *Size, 27 inches by 33.*

A Survey from FALSE POINT, PALMIRAS, to SAUGER ROADS, including the track frequented by ships to the Sea Reefs, and exhibiting the Tails of the Reefs, Sauger Sand, the Eastern Channel, and Laeam's channel. By Capt. W. Maxfield, 1st Assistant to the Marine Surveyor-General. Copied by John Mustie, 26th Nov. 1818. Horsburgh, 1819. Corrected to 1838. *On 2 sheets; size of each, 40 inches by 27.*

Part of BENGAL BAY, including part of the Sunderbunds. An old chart without title or date. *Scale, 2 miles to 1 inch; size, 21 inches by 60.* MS.

COAST of BENGAL, No. 1, with time of High Water at full and change, direction of Flood Tides and Soundings, by Plaisted. Drawn by J. Rennell? No date. *Scale, 4 miles to 1 inch; size, 26 inches by 40.* MS.

A Survey of the COAST of CHITTIGAN, and the River up to DACCA, in the year 1761, by Bartholomew Plaisted. *Scale, 4 miles to 1 inch; size, 40 inches by 31.* MS.

*Bay of Bengal, East Coast.*

Chart of the EAST COAST of the BAY of BENGAL, and of the GULF of MARTABAN and ANDAMAN ISLANDS; showing the Light-houses erected on the Coast of British Burma, with the characters of the lights exhibited. Arranged by Lieut.-Col. Fraser, &c. Accompaniment to British Burmah, P. W. D. letter, dated 8th October 1869. *Size, 32 inches by 66.* On tracing cloth. MS.

Plan of the COCOS (KEELING) ISLANDS. No date. From a note on the chart it appears to be compiled from the surveys of Capt. J. C. Ross, and the officers of H.M.S. Cruizer, 1829. This copy is a tracing by Mr. Carrington from a chart in the Marine Survey Office, Calcutta. *Size, 15 inches by 20.* MS.

\* \* \* COCOS and PREPARIS CHANNELS \* \* \* in the Andaman Islands. By M. E. Matthews, Commander of H.M.S. Alexandra. *Scale, 3 miles to 1 inch; size, 32 inches by 40.*

LITTLE COCO ISLAND. Enclosure B. to Letter No. 19 of 1874, from Commander A. D. Taylor to India Office. *Size, 29 inches by 21.* MS.

*Malacca Straits.*

A Chart of the WEST COAST of the MALAY PENINSULA, from Junk Seylan nearly to Malacca. No title or date. *Size, 30 inches by 48.* MS.

The COAST of QUEDA and JUNK CEILON ISLAND. No title or date. *Scale, 2 miles to 1 inch; size, 30 inches by 26.* MS.

Survey of the COAST of QUEDA between PULO PENANG and the LANCAVA ISLANDS. By Lieut. H. Jackson, H.M.I.N., commanding H.M. Surveying Vessel "Krishna," assisted by Messrs. Laycock, Reid, Lemon, and Hodges. 1861. Original plot. *Scale, 4 miles to 1 inch; size, 27 inches by 39.* MS.

The MALAY COAST, between PENANG and LANCAVY, including QUEDA, with the soundings. Copied from the survey by Lieut. H. Jackson, I.N. 1861. Enclosure A. to Letter No. 19 of 1874, from Comr. A. D. Taylor to India Office. *Scale, 4 miles to 1 inch; size, 23 inches by 34.* MS.

Map, from JAN SYLAN to QUEDA, by Thos. Forrest, surveyed by order of the Hon. Warren Hastings and his Council. *Scale, 10 miles to 1 inch; size, 24 inches by 21.* MS.

PERAK, MALAY PENINSULA. An original map of the Pera (Perak) River. *Scale, 10 miles to 1 inch; size, 14 inches by 11.* MS.

The survey of the Strait of Singapore is respectfully inscribed to the Hon. Colonel Rutterworth, C.B., Governor, &c., by Samuel Congalton, Commander H.C. steamer "Diana," and J. T. Thomson, Government Surveyor, 1846-55. On 2 sheets. *Scale, 1½ to 1 inch; size, inches by 74.*

Chart of the VICINITY of the HORSBURGH LIGHTHOUSE, and adjacent MALAYAN COAST. J. T. Thomson, Government Surveyor, 1851. *Size, 8 inches by 11.*

This survey of the STRAITS of SINGAPORE is respectfully inscribed to the Hon. Colonel Butterworth, C.B., Governor of Prince of Wales Island, Singapore, and Malacca, by \* \* Samuel Congalton, Commr. H.C. Steamer Diana, and J. T. Thomson, Government Surveyor, 1845. Additions to 1855. *On 2 sheets; size, 80 by 27; scale, 1.3 mile to 1 inch.*

Chart of a TRACK in the GULF of SIAM. No title or date. *Size, 14 inches by 17. MS.*

*Asiatic Archipelago.*

PLAN of a Harbour bearing W.  $\frac{1}{4}$  S. of PULO TIMOAN (East Coast of Malay Peninsula), lat.  $2^{\circ} 43' N.$  By Arch. Blair. *Size, 14 inches by 21. MS.*

A CIRCULAR VIEW of a Harbour formed by a cluster of Islands bearing W.  $\frac{1}{4}$  S. from the south end of PULO TIMOAN, by Jno. Wales, 1787. *Size, 14 inches by 11. MS.*

PLAN of the Bay and River of SIAC, now KING GEORGE'S, on the Island of Sumatra, surveyed by orders of the Hon. the Governor and Council of Prince of Wales Island, as surveyed in the year 1808 and 1809, by Mr. F. Linch, and laid down on a smaller scale by Jerh. MacCarthy, Surveyor to Government. *Size, 31 inches by 51. MS.*

The CHART of the Straits of DURIAN, &c., by W. S. Collinson, Hawkins, and Moresby, Lieuts. of the Bombay Marine, 1822. *Size, 38 inches by 29. MS.*

To the Hon. the Court of Directors, &c. CHARTS of the East, North, and North-west Coasts of BANCA, by James J. Robinson, Lieut., Bombay Marine, 1817. *Size, 30 inches by 52. MS.*

Unfinished SURVEY of the South Coast of BANCA, by Lieut. J. Robinson, H. C. Bombay Marine, 1817. *Size, 21 inches by 25. MS.*

PLAN of the Straits of BALLY . . . by John Crawford, Lieut. B. Marine. *Size, 20 inches by 15. MS.*

BAY of MABA, in the Island of Gelolo, surveyed by Mr. Greig, Commander of the ship "Lord Minto." 1808. *Size, 19 inches by 26. MS.*

CHART of MACASSAR, with the Islands and Shoals adjacent, as laid down from observations made in 1814, by John Crawford, Lieut., B. M. With a sketch of Macassar from Gt. Lyly. *Size, 21 inches by 29. MS.*

CHART delineated by Capt. D. Ross, Company's Marine Surveyor, on his passage in the Charles Grant. Chiefly from his own surveys. His homeward Track from China in 1819, off BINTANG and LINGIN to BANCA STRAIT. *Size, 30 inches by 22.*

CHART of the West Coast of BORNEO, with the Track of H.M.S. "Modeste," 1811. *Size, 29 inches by 22. MS.*

The REEFS and BAY of DHELY, in the Island of Timor, surveyed by Capt. J. Welsh, Sept. 1818. *Size, 18 inches by 24. MS.*

CHART exhibiting the Track of the H. C. brig "ANTELOPE," on the Coast of PALAWAN, in 1810, &c., by Lieut. D. Ross, Bombay Marine. With additions in MS. *Size, 31 inches by 22.*

CARTA ESFERICA del ESTRECHO de Sn. Bernardine, etc. The Eastern and Western Entrances by Don Juan Vernaeci, of the Spanish Navy, in 1804 to 1807. Procured at Manilla in 1809, by Lieut. Philip Maughan. *2 sheets, Size of each about 28 inches by 36.*

PLAN of Town and Harbour of CAVITE and the Castle of ST. PHILIP, drawn by Wm. Stevenson, Engineer. 1763. *Size, 15 inches by 19.* MS.

*China Sea, Cochin China.*

Plan des ports des XUAN DAI, VUNG LAM, et VUNG CHAO, situes dans la Province de Phuyen. 1793.. No. 9. *Size, 23 inches by 33.* MS.

*China Sea, Paracels Islands.*

CHART of the PARACELS surveyed by Daniel Ross and Philip Maughan, Lieuts. H.E.I.C. Bombay Marine. 1808. *Size, 36 inches by 22.* MS.

CHART exhibiting the TRACKS of the "DISCOVERY" and "ANTELOPE," with the exact situation of the Paracels, by Daniel Ross and Philip Maughan. 1808. *Size, 50 inches by 27.*

WESTERN GROUP of the PARACELS, by Daniel Ross, Lieut. B.M. 1808. *Size, 30 inches by 22.* MS.

Plan of the AMPHITRITE ISLANDS, composing part of the PARACELS, by Daniel Ross, Lieut. B.M. 1808. *Size, 28 inches by 18.* MS.

Chart of the Track of the ship PRINCESS AUGUSTA, Capt. Thomas Baddison, by the Pitt's Passage, 1761. Dalrymple, 1788. *Size, 13 inches by 19.*

Chart of Capt. Torin's Track between SAPY STRAIT and DAMPIER STRAIT or SUMBAWA and NEW GUINEA. No title. Dalrymple, 1799.

*China.*

Survey of Part of the SOUTH COAST of CHINA \* \* \* by Daniel Ross and Philip Maughan, Lieuts. B.M. 1807. No. 1. *Size, 31 inches by 45.* MS.

Plan of the TIEN PIEN or TIEN PACK HARBOUR, on the South Coast of China, by Lieut. Ross, B.M. 1807. *Size, 22 inches by 35.* MS.

Plan of the HARBOUR of HUILING SAN, on the South Coast of China. By Lieut. Daniel Ross, B.M., 1807. *Size, 25 inches by 33.* MS.

Plan of NAMO HARBOUR, on the South Coast of China, in 1807, by Lieut. D. Ross, B.M. *Size, 21 inches by 28.* MS.

CHART of the different PASSAGES leading to MACAO ROADS, by Daniel Ross and Philip Maughan, Lieuts., B.M. 1810. *Size, 29 inches by 48.* MS.

Plan of the BROADWAY to the WESTWARD of MACAO, by Lieut. Daniel Ross, B.M. 1807. *Size, 30 inches by 22.* MS.

Plan of the CHANNEL from LINTIN to the BOCCA TIGRIS, by Lieut. Daniel Ross, B.M. 1807. *Size, 26 inches by 18.* MS.

Plan of part of the CANTON RIVER, from the Lower Shoal of the First Bar to Danes Island. *Scale, 400 feet to 1 inch; size, 58 inches by 53.* No title or date. MS.

A. Sketch by Compass of the HARBOUR of TCHUSAN, by J. Barrow. 1793. *Size, 15 inches by 18.* MS.

A Sketch of the HARBOUR of TCHUSAN, as it appears from the middle of the basin, by J. Barrow. 1793. *Size, 15 inches by 18.* MS.

Compass CHART of the YANG TSE KIANG, from Great Bush to Nankin, by E. Roberts, Acting Master, Sesostris. 1842. *Scale, 1 mile to 1 inch.* In two parts. *Size, 28 inches by 85.* MS.

### ADMIRALTY CHARTS.

The Collection of these Charts at the India Office was presented by the Admiralty, and is denoted in a marked copy of the Admiralty Catalogue. As that Catalogue is published there is no object in reprinting a part of it here.

### FRENCH GOVERNMENT CHARTS.

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### MARINE SURVEYING, SAILING DIRECTIONS, &c.

A TREATISE of MARITIM SURVEYING, in two Parts; with a Prefatory Essay on Draughts and Surveys, by Murdoch Mackenzie, Senior, late Maritim Surveyor in His Majesty's Service, London, 1774. 4to., half bound.

ELEMENTS of NAVAL ARCHITECTURE. 39 plates. No title, date, &c. Folio, oblong, half bound.

MÉMOIRE sur la CÔTE et les Ports de COCHINCHINE pour servir d'Instruction à la Collection des cartes et plans de J. M. et Fx. Dayot, par J. M. Dayot, Capitain des Vaisseaux du Roi de Cochinchine, 1779, Fcap., xviii, and 68 pages, unbound, MS.

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## MARINE ARCHITECTURE.

### *Iron Pilot Brig.*

Plans of H.E.I.C. IRON PILOT BRIG, by John Laird; with a Memorandum as to sundry fittings. Dated 18th June 1842.

No. 1. Sheer plan.

No. 2. Plans of upper and lower decks; and No. 1 of cabin and forecastle.

No. 3. No. 2 of cabin and forecastle.

### *New Plans, dated 8th August 1842.*

No. 1, new. Sheer plan and longitudinal midship section, showing the arrangement of upper and lower decks, hold, &c.

No. 2, new. Plan of upper deck.

No. 3, new. Plan of lower deck.

No. 4, new. Hold plan.

No. 5, new. Drawing of the hull and rigging.

### *Troop Barge.*

No. 1. General Plan and Lines for TROOP BARGE for the Rivers Ganges and Indus, prepared in conformity with report of Boat Commission.

No. 2. Detail sections. By T. B. Winter. 1858.

Plan of the Between Decks of a FLAT for accommodation of 100 troops and five officers.

### *Tigris River Trading Boat.*

Plans and view of a Boat, called the "HINDIYEH," trading in the River Tigris. By Felix Jones. Size, 24 inches by 36. MS.

### *Steam Vessels by the Company's Officers.*

Plan of a STEAMER to receive Engines of the same power as "Berenice's." By the Controller and Head Builder, Bombay Dockyard. The original plan submitted by Capt. Wilson, and alluded to in Controller and Builder's Letters to the Superintendent, No. 9 of 1838, Feb. 1st.

Another copy, being the plan on which the "VICTORIA" was actually built, with a slight exception.

Another copy without note or date.

Plans of the STEAM FRIGATE of WAR "AUCKLAND,"  
launched in Bombay 9th January 1841. On three sheets.

Plans of the H.E.I.C. STEAM FRIGATE "ZENOBIA." Bombay  
Dockyard. March 1850. Cussetjee Rustemjee, Master Builder.

1. Plan of the Engine Room and Sleepers.
2. Elevation and Upper Deck Plan, showing the position of the paddle beams, carlings, &c.
3. Sections.

*Steam Vessels by Contractors.*

Plans of the STEAMSHIP "INDIA." By Scott, Sinclair, & Co.,  
Greenock. 1840.

1. A drawing of the Steamship "India."
2. Plan of cabins, &c.
3. Sheer draught and profile.
4. Side elevation of one of the engines.
5. A view of the saloon.
6. Boilers with Hall's Patent Still.
7. Plan of engines.

Plans of the STEAMSHIP "MEMNON." By S. Ritherdon. 10th  
June 1840. Engines by Maudslay.

1. Draft of a Steam Vessel of 1,125  $\frac{3}{4}$  tons. By S. Ritherdon. 10th June 1840.
2. Plans of the upper and lower decks.
3. Profile of inboard works.
4. Fore and aft Platforms.
5. Drawing showing the manner of stowing the Tanks in the H.E.I.C. Steamship "Memnon."
6. Comparison of the Boilers of the "Memnon" with those in the "Sesostris," "Cleopatra," and "Auckland."
- A. 1. Drawing of the manner of placing a pair of Double Cylinder Engines of the ultimate power of 400 horses in a vessel for the H.E.I.C., by Maudslay, Sons, and Field. August 1840.
- B. 2. Another with the same title. March 1841.
- C. 3. Drawing showing the sleepers of the H.E.I.C. Steam Vessel "Memnon." March, 1841.
- D. 4. Another with similar title to A 1. Dated June 9, 1841.

An Anonymous Collection of DRAWINGS of Steamship and  
Marine Engines.

*River Steamers and Steam Bridges for the Ganges and Bramaputra.*

Map of the RIVER HOOGLY, with a design for a Steam Ferry  
Bridge for connecting its shores at Calcutta. To accompany a private report by  
Andrew Henderson, Esq., and Charles Greaves, Civil Engineers.

Map of the HOOGLY, with the CITY and PORT of CALCUTTA,  
showing the site of the proposed Docks, the present anchorage and moorings, and the  
line of the railway to the north and west. Signed, And. Henderson and Charles  
Greaves, Dec. 20, 1853.

RAILWAY STEAM BRIDGE, by R. Napier, Glasgow, June 1849.  
On 2 sheets.

A draught for building an IRON STEAM FERRY BOAT for use on the RIVER GANGES at BENARES. Accompaniment to Letter No. 92 of 3rd Oct. 1855, from Chief Superintending Engineer of the Kidderpore Steam Foundry.

Comparative Plans of STEAMERS, TUGS, and TOW-BOATS established and proposed on the BENGAL RIVERS. By A. Henderson. 1861-63.

*River Steamers and other Boats for the Indus and Punjab.*

PASSENGER BOAT for the LOWER INDUS. Plans, section, and elevations. On tracing cloth. MS.

Plan of ACCOMMODATION BOAT for the SUTLEDGE. Miller, Ravenhill, and Co., London. 23rd December 1843. MS.

Plan of a CARGO BOAT. No. 3., E. I. Co. No title or date. MS.

A Pencil Sketch of a RIVER STEAMER, with a Passenger Boat in tow. By John Laird. March 13th, 1843. MS.

Plan of H. E. I. Co.'s STEAM VESSEL "LOODIANAH" as now fitted, with another plan of the vessel as proposed to be altered. Tracing. MS.

Plans of ACCOMMODATION BOATS for PASSENGERS or TROOPS. By John Laird. 17th May 1843. Three tracings. MSS.

INDUS STEAM FLOTILLA. Plan, elevation, and section of Steam Vessels. By T. A. Yarrow, Civil Engineer. MS.

STEAMER for navigating the INDUS. Robinson and Russell. No date. Sheets A and B. MS.

*Steam Tug and Rake, &c. for Hoogly Improvements.*

Sketch of proposed MACHINE to be used for STURING (stirring) the surface of SHOALS by the action of the CURRENT. R. Napier and Sons, Glasgow, 21st February 1865. MS.

Sketch of proposed TUBULAR RAKE for the HOOGLY IMPROVEMENTS. R. Napier and Sons, Glasgow, February 21st, 1865. MS.

Proposed IRON PADDLE TUG STEAMER for the HOOGLY IMPROVEMENTS. Plans 26, 27, 29. R. Napier and Sons, Glasgow, 21st February 1865. Three tracings. MSS.

STEAM TUG BOAT. By Lieut. Heywood, R.E.

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1. General Plan and Lines for Upper River Steamer prepared in conformity with "Report of Boat Commission." By T. B. Winter, M.I.C.E. February 7th, 1859.
2. Detail sections.
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Design of an IRON DREDGING BOAT for the Service at ADEN, prepared in accordance with the Commander-in-Chief's Memorandum, No. 3301, dated 16th October 1858. In Marine Letter from Bombay, No. 11, Feb. 9th, 1859.

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Also, a Transverse Section.

Section of BOILER of Forrester's Canal Steam Tugs. Madras, 1860.

TUBULAR BOILER for the Snake. 1851.

Plan of the New Zenobia's BOILERS.

Plan and Elevation of the Meteor's BOILERS.

Plan, Elevation, and Cross Section of BOILER for Euphrates' Engines.

New BOILERS for the Queen. 25th August 1851.

Plan of the Satellite's BOILERS.

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New BOILERS for the Moozuffer. 12 April 1850.

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Plans of a MARINE ENGINE by George Forrester and Co., Liverpool, November 25th, 1851. No titles. On three sheets.

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Plan of J. Seaward's TUBULAR BOILER, December 11th, 1844.

A. B. Plan of a Pair of BEAM or SIDE LEVER ENGINES of 700 horse-power, proposed for a new vessel building for the Hon. East India Company. By Seaward and Capel. November 26th, 1851.

M. N. Plan of a Pair of DIRECT-ACTION or GORGON ENGINES of 700 horse-power, proposed for a new vessel building for the Hon. East India Company. By Seaward and Capel. November 26th, 1851.

Y. Z. Plan of a Pair of OSCILLATING ENGINES of 700 horse-power, proposed for a new vessel building for the Hon. East India Company. By Seaward and Capel. November 26th, 1851.

Plan of a FEATHERING PADDLE WHEEL, 36 feet diameter, adapted for the vessel of 1,800 tons building for the Hon. East India Company. Proposed by Seaward and Capel. November 26th, 1851.

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\* This is not identified as a place, but the word is applied to half-castes in Ladak.

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LONDON:

Printed by GEORGE E. EYRE and WILLIAM SPOTTISWOODE,  
Printers to the Queen's most Excellent Majesty.

For Her Majesty's Stationery Office.

[7767.—1000.—3/78.]

